

REPORT
OF THE
TWENTY-SIXTH INDUSTRIAL EXPOSITION
MECHANICS' INSTITUTE,
SAN FRANCISCO.

DAVID KERR

REPORT
OF THE
TWENTY-SIXTH
Industrial Exposition
OF THE
MECHANICS' INSTITUTE
CITY OF SAN FRANCISCO.

Held at the Mechanics' Pavilion from the 18th day of August, to the
26th day of September, 1891, Inclusive.



MECHANICS' INSTITUTE

SAN FRANCISCO, CAL.

BOARD OF TRUSTEES, 1891.

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STANDING COMMITTEES.

FINANCE,	STUMP, SCHENCK, SCOTT
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BOOKS AND DONATIONS,	EWING, DOW, DORN
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MUSIC, DECORATION AND ART,	HOPPS, STUMP, STARBIRD
PRIVILEGES,	SCHENCK, SCOTT, LEWIS
LOCATION AND POLICE,	LEWIS, DALTON, EWING
HORTICULTURE,	DORN, STARBIRD, WILKIE
SPECIAL EXHIBITS,	STARBIRD, DALTON, HOPPS

The PAVILION COMMITTEE consists of the President, Vice-President and Treasurer,

TABLE OF CONTENTS.

	Pages.
Board of Trustees.....	3
Standing Committees.....	3
Report of Board of Trustees.....	7-8
Treasurer's Statement of Tickets Sold.....	9
Report of Ticket Committee.....	10
Report of Finance Committee.....	11-16
Preliminary Announcement Twenty-sixth Exposition.....	17-18
Rules and Regulations.....	19-25
Classification of Exhibits.....	26-28
Opening Exercises.....	29-38
President's Address.....	29-31
Oration by Col. Thomas F. Barry.....	31-38
Alphabetical List of Articles.....	39-50
Art Gallery, Catalogue of.....	51-60
Report of Committee of Awards, Class I.....	61-65
" " " " II.....	65-67
" " " " III.....	68
" " " " IV.....	68-69
" " " " V.....	69-76
" " " " VI.....	76-77
" " " " VII.....	77
" " " " VIII.....	77-78
" " " " IX.....	78
" " " " X.....	79-80
" " " " XI.....	81-82
" " " " XII.....	82-83
" " " " XIII.....	83-85
" " " " XIV.....	85-86
" " " " XV.....	86
" " " " XVI.....	86-87
" " " " XVII.....	87-88
" " " " XVIII.....	88-89
" " " " XIX.....	90-91
" " " " XX.....	91-92
" " " " XXI.....	93
" " " " XXII.....	93
" " " " XXIII.....	94

	Pages.
Report of Committee of Awards, Class XXIV.....	95
“ “ “ “ XXV.....	95
“ “ “ “ XXVI.....	96
“ “ “ “ XXVII.....	96
“ “ “ “ XXVIII.....	97
“ “ “ “ XXIX.....	98-99
“ “ “ “ XXX.....	100
“ “ “ “ XXXI..	100
“ “ “ “ XXXII..	100
“ “ “ “ XXXIII.....	101
“ “ “ “ XXXIV.....	101-103
“ “ “ “ XXXV.....	104-105
“ “ “ “ XXXVI.....	105
“ “ “ “ XXXVII.....	105
“ “ “ “ XXXVIII.....	106
“ “ “ “ XXXIX.....	106-107
“ “ “ “ XL.....	108-109
“ “ “ “ XLI.....	109-110
“ “ “ “ XLII.....	111
“ “ “ “ XLIII.....	111
“ “ “ “ XLIV.....	112
“ “ “ “ XLV.....	112
“ “ “ “ XLVI.....	113
Floral Days.....	113-114
Classified List of Premiums Awarded—Gold Medals.....	115
“ “ “ “ Grand Silver Medals..	116
“ “ “ “ Silver Medals	116-119
“ “ “ “ Grand Bronze Medals.....	119
“ “ “ “ Bronze Medals	119-120
“ “ “ “ Diplomas	121-123
“ “ “ “ Cash Awards	124
REPORTS OF STANDING COMMITTEES:—	
Finance.....	11-16
Building.....	125
Printing and Advertising.....	126
Power and Machinery.....	127-128
Rules and Awards.....	128-129
Tickets and Admissions	130
Music, Decoration and Art.....	131-132
Privileges.....	133
Location and Police	134
Horticulture.....	135
Special Exhibits	135
Superintendent's Report.....	136-138

REPORT OF THE BOARD OF TRUSTEES
OF THE
TWENTY-SIXTH
INDUSTRIAL EXPOSITION
OF THE
MECHANICS' INSTITUTE, 1891.

To the Members of the Mechanics' Institute:

WE have the honor and the pleasure of presenting you the following Report of the Twenty-sixth Industrial Exposition of the Association, and the Tenth held in the present Pavilion. The usual and customary Rules and Regulations to govern the Exposition were prepared at an early date and due preparations made for the event, which has passed, we hope, with credit to the management and a profit to the Institute of \$17,732.67; and that sum has been used to materially lessen the mortgage indebtedness.

Considering the general depression in business circles, which everywhere in the State has specially made itself manifest in the receipts of Fair Associations, we have reason to be gratified with the result. We regret that more of our local industries were not exhibited, as it offers a place where inventions, manufactures and products of all kinds can cheaply and effectually be brought to the notice of the capitalist or consumer. In fact, these Fairs are a great Intelligence Office where all classes go for information, and are, consequently, a great advantage to the community and the State.

We are under obligations to the city Press, which has been so generous and untiring in its efforts to assist us, as also to the exhibitors and many friends of the Institute, who by courtesies

extended have materially lessened our labor and added to the success of the Exposition.

By experience we find that each succeeding Fair requires change in the government from the one that preceded it, and therefore can only recommend for the future, as in the past, that these Expositions be made the exponents of Invention, Art, Science and Natural Products, and all else that may be for the advancement of labor and the permanent prosperity of this coast and our citizens.

The Report from the various Standing Committees, giving in detail their special work, will be found under appropriate headings.

Respectfully submitted,

THE BOARD OF TRUSTEES.

TREASURER'S REPORT.

MECHANICS' INSTITUTE, November 20th, 1891.

To the President and Board of Managers of the Twenty-sixth Industrial Exhibition.

GENTLEMEN:—I herewith submit my report of the daily receipts at the ticket office in the Pavilion; also a detailed account of the total number of tickets sold, class of tickets, and the total receipts from that source:

Daily Receipts at the Ticket Office.

1891.	DOUBLE SEASON TICKETS.	SINGLE SEASON TICKETS.	CHILDREN'S SEASON TICKETS.	EMPLOYEES' ADMIS- SION TICKETS.	ADULT'S SINGLE ADMISSION TICKETS.	CHILDREN'S SINGLE ADMISSION TICKETS.	AMOUNT.
August 18.....	210	67	58	8	167	14	\$1,437 00
" 19.....	146	31	45	18	228	29	1,038 75
" 20.....	128	31	37	38	343	33	1,025 25
" 21.....	147	30	46	31	418	41	1,159 75
" 22.....	156	48	49	38	1253	231	1,738 75
" 24.....	81	22	28	43	697	71	943 75
" 25.....	70	21	15	23	806	90	895 50
" 26.....	68	13	9	17	1003	109	946 75
" 27.....	38	11	13	19	965	97	777 75
" 28.....	37	13	12	12	1024	171	814 75
" 29.....	57	18	17	13	3275	684	2,192 50
" 31.....	21	2	5	3	846	113	574 25
September 1.....	22	4	5	6	1057	121	697 25
" 2.....	10	2	3	2	1240	130	716 00
" 3.....	12	4	2	4	1297	118	759 00
" 4.....	10	2	2	2	1359	211	794 25
" 5.....	9	3	2	3	3543	843	2,043 75
" 7.....	4			5	1075	159	604 75
" 8.....		2		1	1090	121	582 75
" 9.....	1				2118	481	1,184 24
" 10.....	1	1			1142	121	609 25
" 11.....	1	1			1199	128	639 50
" 12.....	3	2		1	3081	522	1,693 50
" 14.....				1	756	159	419 25
" 15.....					916	141	493 25
" 16.....				4	1203	191	655 25
" 17.....				1	1269	219	690 75
" 18.....				1	1097	175	593 75
" 19.....					2566	370	1,375 50
" 21.....				2	917	106	488 00
" 22.....					1032	113	544 25
" 23.....					1227	150	651 00
" 24.....					1491	168	787 50
" 25.....					1583	248	853 50
" 26.....					3426	535	1,846 75
TOTALS.	1232	328	348	296	46,729	7213	\$33,267 75

ACCOUNT OF TICKETS SOLD.

TWENTY-SIXTH INDUSTRIAL EXHIBITION 1891.	DOUBLE SEASON \$5 00	DOUBLE SEASON TO MEMBERS \$2 50	SINGLE SEASON \$3 00	SINGLE SEASON TO MEMBERS \$1 50.	CHILD-N'S SEASON \$1 50	EMPLOYEES' SEASON \$1 50.	ADULT SINGLE ADMISSION 50 cts.	CHILDREN SINGLE ADMISSION 25 cts.	ADULT EXCURSION 25 cts.	CHILD EXCURSION 12½ cts.	SPECIAL SINGLE ADMISSION, 43½ c.	AMOUNT.
At the Pavilion.....	1232		328		350	296	46,744	7143	1942	161	748	\$34,100 38
At the Library.....	83	1689	42	83								4,888 00
On Commission....	415		68									2,279 00
												\$41,267 38
Less Commission paid on outside sales.....												94 70
												\$41,172 68

RECAPITULATION.

1,730 Double Season Tickets @ \$5 00.....	\$ 8,650 00
438 Single “ “ @ \$3 00.....	1,314 00
1,689 Double “ “ to Members, @ \$2 50.....	4,222 50
83 Single “ “ to Members @ \$1 50.....	124 50
350 Children’s “ “ @ \$1 50.....	525 00
296 Employes’ “ “ @ \$1 50.....	444 00
46,744 Adult Single Admission Tickets @ 50 cts.....	23,372 00
7,143 Children’s “ “ @ 25 cts.....	1,785 75
1,942 Adult Excursion @ 25 cts.....	485 50
161 Children’s “ @ 12½ cts.....	20 13
748 Special Adult Admission @ 43½ cts	324 00
	<hr/>
	\$41,267 38
Less Commission on Outside Sales.....	94 70
	<hr/>
	\$41,172 68

Respectfully submitted,

A. W. STARBIRD, Treasurer.

Report of Finance Committee.

To the President and Board of Trustees of the Mechanics' Institute.

GENTLEMEN:—We herewith present a Report of the Financial matters pertaining to the Twenty-sixth Industrial Exposition:

EXPENDITURES.

ADVERTISING—

A Uniao Portugueza.....	\$ 5 00
Abend Post.....	10 00
Advocate.....	3 00
Alta.....	10 00
Argonaut.....	10 00
Atlantic Publishing Co	5 00
Backus & Hoag.....	40 00
Bulletin (Evening)	200 40
Call (Morning).....	278 11
California Demokrat.....	10 00
California Journal.....	5 00
California Voice.....	5 00
Chronicle, S. F.....	257 10
City Argus	5 00
Commercial Herald	5 00
Commercial Record.....	5 00
Daily Report.....	290 00
De Troost....	16 00
Deutch Zeitung	4 00
Elevator.....	5 00
Examiner (Daily)	250 61
Figaro ...	15 00
Fruit Grower.....	5 00
Golden Gate Programme.....	5 00
Goldstein Bros	5 00
Hayes Valley Advertiser.....	5 00
Hebrew	5 00
Herald of Trade.....	5 00
Hotel Gazette.....	25 00
Horn Hong ..	11 00
Illustrated World ..	7 50
Jewish Progress ..	5 00
Jewish Times	5 00
Journal of Commerce.....	30 00
Carried forward ...	\$1,547 72

<i>Brought forward</i>	\$1,547 72
L'Elvezia.....	5 00
L'Italia.....	10 00
La Republica.....	5 00
La Voce Del Popolo..	10 00
Leader.....	3 00
Le Franco-California.....	15 00
Le Petit Californian.....	5 00
Mining and Scientific Press..	10 00
Mining Review.....	5 00
Mission Journal.....	4 00
Monitor.....	5 00
New Age.....	5 00
News Letter.....	10 00
Oakland Enquirer.....	30 00
Oakland Times.....	40 00
Oakland Tribune.....	40 00
Occident.....	3 00
Overland.....	6 00
Pacific.....	3 00
Pacific Railway Publishing Co	10 00
Pacific Rural Press.....	10 00
Pacific Methodist	3 00
Pacific Field Sports.....	5 00
Pacific Pilot.....	5 00
Pacific Union.....	4 00
Post (Evening).....	169 50
Political Record.....	5 00
Public Opinion..	5 00
Real Estate and Building News	5 00
Record of Amusements.....	7 00
San Mateo Gazette.....	5 00
San Francisco Bill Posting Co	92 00
Spirit of the Times.....	10 00
Tayliaburg, F.....	15 00
Theatrical Publishing Co.....	20 00
Vestkusten.....	4 00
Vindicator.....	5 00
Wave.....	10 00
Wasp.....	10 00
Weekly Star.....	5 00
Western Soldier.....	5 00
Wine and Spirit Review.....	5 00
Wood and Iron	5 00

 \$2,181 22

ART DEPARTMENT—

City Transit Co., Cartage on Pictures.....	\$127 10
Conrad & Maxwell, Insurance.....	787 50
Farnsworth & Ruggles, Cartage on Pictures....	19 50
Guardian Insurance Co., Insurance.....	49 00
Louderback, J. D., Services as Superintendent..	350 00
Mann & Wilson, Insurance.....	17 50
Pay Roll—Labor.....	172 00
Smedberg & Mitchell, Insurance.....	17 50
Union Insurance Co., Insurance.....	262 50
Wattles & Warfield, Insurance.....	77 00

\$1,879 60

BUILDING—

Cronan, Wm., Tinning Floor for Plants.....	\$ 60 00
Dunham, Carrigan & Co., Hardware.....	90
Fraser & Keefe, Painting and Whitening.....	215 50
Gruenhagen, C. H., Wire Work.....	36 05
Hopps & Sons, Signs and Painting ..	30 10
Pay Roll, Carpenters and Laborers.....	352 23
Townsend, W. S., Floor for his Exhibit	35 00
Turner, A. J., Lumber	81 19
Wells, Russell & Co., Lumber and Mill Work...	129 27
Whittier, Fuller & Co., Paints & Oils....	6 75

\$949 99

COMMISSION—

On Sales of Tickets at Stores and Offices.....	\$ 94 70
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DECORATION—

Jones, G. B., Garlands.....	\$125 00
Pay Roll—Workmen.....	87 00
Strauss, Levi & Co., Cloth.....	197 75

\$409 75

EXPENSE—

Andrews, T. H., Expense of Opening Exercises.\$	18 00
Armes & Dallam, Brooms and Brushes.....	10 00
Bell Telephone Co., Rent and Service.....	22 80
Demartini, P., Removing Rubbish.....	28 00
Eagle Sign Co., Signs for Floral Days.....	17 00
Ferguson, S. S., Beating Carpet	17 30
Fraser, L. C., Rent Grand Opera House.....	100 00
Furlong, T. C., Rent Show Cases.....	8 00

Carried forward \$ 221 10

<i>Brought forward</i>	\$ 221 10
Graves, H. A., Petty Expenses....	13 50
Honingsburg, Miss Flora, Lost Cloak.....	25 00
Klein, J. M., Repairing Batteries, Gongs, etc...	57 00
Lillenthal & Co., Refreshment for Committees.	46 75
Newman, A., Sawdust	10 00
Osborn & Alexander, Ticket Punches.....	15 00
Progressive Window Cleaning Co., Cleaning Windows.....	60 00
Schwartz & Co., Refreshments....	29 50
Secretary, Petty Expenses	28 40
Starbird, C. H., Petty Expenses.....	33 50
Sievers, J. H., Use of Plants and Palms.....	1,000 00
Sundry Small Bills, for Expenses.....	100 85
Pay Roll—Laborers.....	47 49

\$1,688 09

LIGHTING—

Cully, J. P., Gas Fitters' and Plumbers' Material.....	\$ 260 95
Edison Light and Power Co., Electric Light...	497 70
Pay Roll—Gas Fitters, Plumbers and Labor...	427 50
Pacific Gas Improvement Co., 1,205,000 Feet of Gas @ \$1.80 per M.....	2,169 00

\$3,355 15

MACHINERY—

Allen, Charles R., 3. ⁹⁵⁰ Tons New Wellington Coal @ \$8.75.....	\$ 29 95
80. ⁵⁸⁰ Tons New Wellington Screening @ \$6.50.....	521 60
	<hr/>
	\$551 55
Deitz, A. C. & Co., Oil.....	6 50
Garratt, W. T. & Co., Machine Work and Material....	17 65
Huntington, Hopkins & Co., Steam Packing, Lacing, etc.....	4 69
Joshua Hendy Machine Works, Flue Cleaner...	3 00
Lewin, Robert, Blacksmithing.....	8 00

\$591 39

MUSIC—

Casassa, Charles H., Music by the First Infantry Regiment Band of Forty-two Musicians, as per Contract.....	\$8,000 00
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FINANCIAL REPORT.

15

PREMIUMS—

Britton & Rey, Diplomas.....	\$ 75 00
Bryant, M. B. & Co., Medals.....	305 00
California Jewelry Co., Medals and Engraving..	1,347 44
Cash Awards, Art Department.....	\$ 560 00
Cash Awards, Natural Products.....	250 00
Cash Awards, Floral Exhibits.....	560 00

1,370 00

Muhs, A., Medal Boxes.....	81 60
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Southern, T. R., Engrossing Diplomas.....	14 00
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\$3,193 04

PRINTING—

Backus Printing Co, Circulars, Cards and Books.....	\$ 58 00
Crocker, H. S. & Co., Posters.....	465 00
Cubery, W. M. & Co., Programmes, Tickets, etc.	60 75
Francis & Valentine, Border for Posters.....	22 50
Galloway, Letter Heads.....	12 50
Murdock, C. A. & Co., Tickets.....	56 50
Secretary, Cards.....	1 50
Spaulding, Geo. & Co., Art Catalogues, Receipt Books and Envelopes.....	249 00
Sterrett, B. F., Placards.....	3 00
Thomas, P. J., Rules and Premium List, and Report of Exposition.....	361 25
Woodward, W. A., Circulars	46 00

\$1,336 00

SALARIES—

Pay Roll—Superintendent, Clerks, Engineer, Firemen, Watchmen and Laborers.....	
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\$6,017 13

STATIONERY—

Bancroft Company, Stationery.....	\$ 2 95
Secretary, Postage, Stationery, Directory, etc....	67 75
Sundry small Bills, Stationery.....	16 00

\$86 70

WATER—

Spring Valley Water Works, Water 5 ⁵⁻⁶ Weeks @ \$100 per Week.....	
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\$583 35

RECAPITULATION OF EXPENSES.

Advertising.....	\$2,181 22	
Art Department.....	1,879 60	
Building.....	949 99	
Commission.....	94 70	
Decorations.....	409 75	
Expense.....	1,688 09	
Lighting.....	3,355 15	
Machinery.....	591 39	
Music.....	8,000 00	
Premiums.....	3,193 04	
Printing.....	1,336 00	
Salaries.....	6,017 13	
Stationery.....	86 70	
Water	583 35	
	<hr/>	
		\$30,366 11

PROFIT AND LOSS.

REVENUE—

Sale of Tickets.....	\$41,264 38	
Sale of Privileges.....	5,838 50	
Sale of Catalogues.....	138 30	
Gas Service.....	382 60	
Donations.....	475 00	
	<hr/>	
		\$48,098 78

EXPENDITURES—

As above.. ..	\$30,366 11	
Transferred to Mechanics' Institute	17,732 67	
	<hr/>	
		\$48,098 78

Respectfully submitted,

W. T. Y. SCHENCK,

A. W. SCOTT,

Finance Committee.

PRELIMINARY ANNOUNCEMENT

Twenty-Sixth Industrial Exposition

MECHANICS' INSTITUTE, SAN FRANCISCO.

THE Board of Trustees take pleasure in announcing to the public that the Twenty-Sixth Industrial Exposition of the Mechanics' Institute, in the City of San Francisco, will open on Tuesday, August 18th, and continue until September 26th, closing on the evening of that date.

The Management desire particularly that the Arts, Industries, New Inventions and Natural Products of the Pacific Coast be well represented, and no pains will be spared to make this class of exhibits a special feature.

Every afternoon and evening an Orchestra of fifty of the best obtainable performers will render classical and popular music under the leadership of a noted and experienced conductor.

The Promenade Avenues will be broadened, and 4,500 seats provided for the comfort and convenience of visitors; as also a first-rate Café where refreshments of all kinds can be obtained at moderate prices.

Ample motive power, including steam and water, will be provided and furnished, in reasonable quantity, free to exhibitors, and also special facilities afforded for the testing and operation of new machines and inventions.

The Art Gallery will be re-modeled regarding light and ventilation, and the collection of paintings and statuary will undoubtedly exceed any previous exhibition on this coast.

Liberal Premiums of gold, silver and bronze medals, diplomas and cash will be awarded, as set forth in the Premium List.

Special new and attractive features for amusement and instruction of visitors will be introduced; and it is believed the attendance will be greater than at any former Fair, making the occasion an exceptionable time and place to bring to the notice of the public, new inventions, manufactured products, processes or appliances.

The Rules, Regulations and a new Premium List are being prepared and will be given or sent, with any further desired information, on application to the Secretary.

BOARD OF MANAGEMENT.

DAVID KERR, *President*,
IRWIN C. STUMP, *Vice-President*,
A. W. STARBIRD, *Treasurer*,
GEO. E. DOW, *Recording Secretary*,
J. K. FIRTH, *Corresponding Secretary*,
FRANK DALTON,
M. A. DORN,

ROBERT EWING,
SAMUEL J. HENDY,
GEO. H. HOPPS,
OSCAR LEWIS,
W. T. Y. SCHENCK,
A. W. SCOTT,
ANDREW WILKIE.

J. H. CULVER, *Secretary*.

H. A. GRAVES, *Agent*.

RULES AND REGULATIONS
OF THE
Twenty-Sixth Industrial Exhibition.

RULE I.

THE Pavilion will be opened for the reception of goods on and after Monday, August 10th.

The exhibition will open to the public on Tuesday, August 18th, and continue open from day to day (Sundays excepted) until Saturday, September 26th. Hours of admission will be from 10 A. M. to 5 P. M., and 7½ to 10 P. M., except Saturdays, when the exhibition will close at 11 P. M.

RULE II.

Articles can be entered for exhibition or competition, as desired.

If entered for competition, the articles must be in position and receipted for, and the entry tag attached not later than Saturday, August 22d, excepting exhibits of fresh fruits and vegetables, not in season at the time of opening, or additions to varieties already on exhibition.

Articles intended by the exhibitor for competition, but not entered and in position by the time specified, to wit: August 22d, shall not, under any circumstances, be allowed to compete.

RULE III.

The driving engine will be in operation three days previous to the opening, and exhibitors of machinery in motion will be required to have their machines in running order on the opening day.

RULE IV.

Machinery entered for competition and requiring power must be in position and in operation on or before August 22d.

Shafting, Belts, Gearing, High Speed Machinery, and any other exhibits likely to prove dangerous, must be securely fenced and protected to the satisfaction of the Board of Trustees; but such approval shall not relieve the exhibitor from his own liability.

RULE V.

No charge of any kind will be made to exhibitors for space. Steam and water will also be furnished free, in reasonable quantities; but all platforms, counters, ornamental partitions, show cases and fixtures must be erected at the expense of the exhibitors. Exhibitors and holders of Privileges will be required to pay for all gas consumed by them for cooking or heating purposes, and also for all extra light more than that furnished for the general lighting of the building.

RULE VI.

Application for space can be made at any time, and should be made as early as possible, and at least two weeks previous to the opening of the Exhibition.

Blank forms of application for space will be furnished by the Secretary.

Space will be awarded as early as practicable after the application has been received.

Space allotted to applicants, and not taken possession of by the arrival of their goods, on or before Saturday, August 15th, may be assigned to other exhibitors.

The Board of Trustees reserve the right at any time to exclude from the Exhibition such things as nostrums, articles of an explosive, inflammable, dangerous or offensive

character, and all things they may for any cause deem objectionable.

Any exhibit of goods, which in the opinion of the Board of Trustees is of an improper or objectionable character, may, at the option of said Trustees, be removed at any time.

The Board of Trustees reserve the right to refuse admission to any exhibitor or employé whom they may consider an improper person, or for other cause; and also to remove the goods of such exhibitor from the building.

RULE VII.

Exhibitors will receive from the entry clerk, on the arrival of their goods, a receipt for the same, which must be presented for their delivery at the close of the Exhibition. Articles entered for exhibition or competition will be so designated in the receipt.

RULE VIII.

The Board of Trustees will endeavor to select competent and disinterested Jurors of Award.

Articles entered only for exhibition shall be designated by a tag attached, and so reported by the jurors, and appear in the Report of the Exhibition.

In all cases where a gold medal has been awarded for the best general display, the articles comprising the same shall be debarred from competing for any other premium; but exhibitors may elect to waive a sweepstake premium, taking in lieu thereof the awards as set forth in the Premium List.

Jurors may refuse to award any premium when articles fall below a reasonable standard of excellence.

In every case where the Jurors have reached a decision they shall file with the Secretary a report, giving the name of the exhibitors, the articles examined, and the number of the class in which it is entered.

No award for second degree of merit will be made, or so reported, unless specially provided for in the Premium List.

In cases where it is not practicable for jurors to test or examine machines in the building, or where models only are exhibited, they may go outside the building to make such examination or test; but the jurors must first procure from the Board of Trustees a written consent, which must be attached to their award when filed with the Secretary, and the competitors must take upon themselves, in exoneration of the Institute or Board of Trustees, all claims in respect of damage (if any) resulting from the testings, and must renounce all claims for compensation for any injuries, real or imaginary, that they may incur from actual or alleged imperfections in the arrangements or in the testing, or from any statements in the reports or descriptions published.

Jurors in each class will hold a meeting before making their final report, at which time exhibitors in the class may be invited to attend and explain the merits of their respective exhibits, under such rules as may be prescribed by the Committee on Rules, Regulations and Awards.

Should any juror, for any reason, at any time become incapacitated from serving, the Board shall select another juror.

All awards and recommendations of Jurors must be submitted to the Board of Trustees on or before September 18th, and receive their approval before being final.

The Board of Trustees reserve to themselves the right to amend, rescind or reject the report of any Committee of Awards.

RULE IX.

The announcement of awards will be made by the Board of Trustees on Monday, September 21st.

RULE X.

Power will be furnished for driving machinery from the main lines of shafting, which are $2\frac{15}{16}$ inches in diameter, and will make about 110 revolutions per minute. Driving pulleys 30 inches in diameter are now on the shafting for use of exhibitors. Pulleys for the main line, if furnished by exhibitors, must be accurately balanced and have the owner's name plainly marked thereon, and should be received and placed in position by Saturday, August 15th, as, up to that time, it can be done without unnecessary labor and inconvenience.

RULE XI.

No article on exhibition or within the building can be removed until the close of the Fair, unless by permission of the Board of Trustees or Superintendent, in writing; but reasonable facilities for making sales of articles, for delivery at the close of the Exhibition, will be afforded.

Exhibitors' cards, circulars and samples can only be placed within their own space for distribution, and visitors must not be solicited to receive them.

No lottery or gift enterprise of any kind will be allowed, nor shall visitors be solicited for names or signatures when the purpose is to award a consideration by chance.

Holders of Privileges shall have the exclusive right to sell the article they purchase the Privilege for; but in no case shall it be construed that their purchased right debars any exhibitor from giving away in quantities, to be determined by the Board of Trustees, samples of articles he may manufacture in the Pavilion or place on exhibition.

Exhibitors will be required to keep their spaces and exhibits clean and in good order, and, in cases where they are covered at night, to remove such covering by 11 o'clock A. M., and not to cover the same until ten minutes before the closing hour.

RULE XII.

The most careful means will be taken, through the agency of the police and otherwise, to guard and protect the property on exhibition, and it will be the purpose of the Trustees to return all articles to the owners without loss or injury; but as the Fair is for the benefit of the general public, and particularly for the business benefit of the exhibitors and to add to the reputation of their wares, the Mechanics' Institute and its Trustees will, under no circumstance, be responsible for any loss or injury to articles placed on exhibition, which must be invariably at *owner's risk*.

RULE XIII.

In order to preserve the general harmony of the Exhibition, and make the display of goods attractive, the Board of Trustees reserve the right to direct the general arrangement of the articles on exhibition, and to regulate the character of all signs and advertisements.

Partitions may be erected in various parts of the building, but in no case more than four feet in height, except on the sides and ends of the gallery. Exhibitors' signs shall not be more than eight inches in width, and placed not less than eight nor more than nine feet from the floor, except on the walls of the building; and, under no circumstances, will cloth or paper signs be allowed higher than the partitions, to wit: four feet.

Exhibitors will be allowed to give away a limited amount of samples of any article on exhibition by them, such quantity to be determined by the Board of Trustees. This permission, however, shall not apply to the giving away of intoxicating beverages.

RULE XIV.

All exhibitors will be required to purchase a double season ticket before being entitled to an employé's ticket.

Employés' tickets will be issued for a charge of \$1.50 each to such persons only as are in the employ of exhibitors, who, in the opinion of the Committee on Privileges, require the services of an attendant, and are not transferable.

If transferred or loaned to any other person than the owner, the ticket becomes forfeited, and doorkeepers will be instructed to refuse admission and retain the ticket.

Employés' tickets found to be unnecessary for the purpose for which they were issued must be returned to the Committee on Privileges.

Any ticket presented at the door for admission in violation of rules thereon shall be forfeited.

RULE XV.

All boxes and packages containing articles for the Exhibition should be marked "Twenty-sixth Industrial Exhibition, San Francisco," with the name and address of the sender. If the freight thereon is paid, it will be taken charge of by the Board of Trustees and removed to the Exhibition building. Cartage at the expense of the Exhibitor. A detailed statement of each box or package should be inclosed with the the same, or sent separately, by mail or express.

RULE XVI.

The Board of Trustees do not consider the Premium List herewith appended as complete, nor are articles entitled to premiums limited to the ones here enumerated; but any meritorious article on exhibition not herein mentioned will receive due consideration from the jurors.

RULE XVII.

The Board of Trustees shall have the right at any time to modify or change these rules, or any of them, or make such others as necessity and propriety may demand, or which in their judgment will be to the best interests of the Institute.

CLASSIFICATION OF EXHIBITS.

CLASS 1.

Engines, Boilers and Appliances.

CLASS 2.

Hydraulic Machinery and Steam Pumps.

CLASS 3.

Machinists' Tools and Metal-working Machinery.

CLASS 4.

Wood-working Machinery.

CLASS 5.

Miscellaneous Machinery.

CLASS 6.

Mining Machinery and Appliances.

CLASS 7.

Laundry Machinery.

CLASS 8.

Fire Apparatus and Appliances.

CLASS 9.

Marine.

CLASS 10.

Sewing Machines, Knitting Machines, Braiding Machines and Looms.

CLASS 11.

Agricultural Machinery.

CLASS 12.

Iron, Steel and Lead.

CLASS 13.

Cooking, Heating and Ventilating.

CLASS 14.

Hardware, Cutlery, Firearms, etc.

CLASS 15.

Fire and Burglar-proof Safes and Locks.

CLASS 16.

Brass Work, Gas and Lamp Fixtures, Plumbers' Goods, etc.

CLASS 17.

Grates and Mantels—Marbles, Artificial Stone, Earthenware, Glassware, etc.

CLASS 18.

Carpenters', Joiners', Carvers' and Stair Builders' Work, Ornamental Glass Painting, etc.

CLASS 19.

Musical Instruments.

CLASS 20.

Vehicles and their Attachments, Children's Carriages, Hobby Horses, etc.

CLASS 21.

Furniture, Upholstery, etc.

CLASS 22.

Billiard Tables.

CLASS 23.

Wooden Ware, Brushes, Wire Goods, Willow Ware, etc.

CLASS 24.

Boots, Shoes, Leather, Rubber Goods, etc.

CLASS 25.

Hemp, Cordage, Paper, Furs, Silk, Hair, etc.

CLASS 26.

Woolen Dress Goods, etc.

CLASS 27.

Gentlemen's Furnishing Goods, etc.

CLASS 28.

Ladies' Furnishing Goods, Dresses, Cloaks, Millinery, etc.

CLASS 29.

Electricity and Electrical Appliances, etc., etc.

CLASS 30.

Scientific Apparatus, etc.

CLASS 31.

Surgical and Dental Implements and Appliances.

CLASS 32.

Gold, Silver Plated Ware, Watches, Clocks, Jewelry and Bronzes.

CLASS 33.

Printing.

CLASS 34.

Hairwork, Needlework, Embroidery, Shellwork, Patterns, etc.

CLASS 35.

Painting in Oil and Water Colors.

CLASS 36.

Ceramic Art.

CLASS 37.

Sculpture, Statuary and Carving.

CLASS 38.

Engravings, Penmanship, etc.

CLASS 39.

Photography.

CLASS 40.

Chemical and Pharmaceutical products.

CLASS 41.

Groceries, Meats, Flour, etc.

CLASS 42.

Wines and Brandies of California Production, from California Vineyards.

CLASS 43.

Fermented Products.

CLASS 44.

Tobacco.

CLASS 45.

Geology, Mineralogy, Zoology, Botany, etc.

CLASS 46.

Farm Products.

THE OPENING EXERCISES.

THE Twenty-sixth Exposition was duly inaugurated in a highly appropriate manner at the Grand Opera House on the afternoon of Tuesday, August 18th, and the house well filled by an interested audience composed of ladies and gentlemen, members and friends of the Institute.

The Committee on Literary Exercises, Messrs. Stump, Starbird and Schenck, had arranged the whole matter and presented the following programme for the occasion:

Grand Overture	CASASSA'S FIRST INFANTRY BAND
Prayer	REV. ROBERT MACKENZIE
Address by the President	MR. DAVID KERR
Cornet Solo	MISS JESSIE MILLAR, the California Prodigy
Waltz Song— <i>Gounod</i>	MME. IDA DE SEMINARIO
Oration	HON. THOS. F. BARRY
Trombone Quartette—"Sabbath Day"	
	MESSRS. DELANEY, TOBIN, GUTMAN AND WRIGHT.
Selection	CASASSA'S FIRST INFANTRY BAND

Among those seated on the platform were President David Kerr, Rev. Robert Mackenzie, and many members of the Institute, Directors and prominent citizens.

The programme commenced with a fine rendition of the Overture from "Tannhauser," by Casassa's First Infantry Band, after which Rev. Robert Mackenzie offered prayer. It had been arranged that Rabbi Jacob Voorsanger of the Temple Emanu El should deliver the invocation, but he was unable to be present.

The President, Mr. David Kerr, then stepped to the front, and, after greeting the audience and welcoming them, he delivered the following brief but interesting address, which was attentively listened to and highly appreciated by those who heard it:

THE PRESIDENT'S ADDRESS.

LADIES AND GENTLEMEN:—We have met here to-day to conduct the preliminary exercises incident to the opening of our Twenty-sixth Exhibition. It is gratifying and encouraging to the managers of this Exposition to see so many ladies and gentlemen present on this occasion; and, on behalf of the

Mechanics' Institute, I bid you all a cordial welcome. The person who has not been engaged in a similar undertaking can have no idea of the amount of labor and care involved in the organization of an exhibition of this kind.

The trustees of the Mechanics' Institute personally supervise and direct these exhibitions, the work from first to last being voluntary and without other compensation than the knowledge that they are promoting the interests of the community in which they live, and are laying the foundation broad and deep for a great educational institution that will in pleasant and practical ways impart useful knowledge to those who come within the constantly widening circle of its influence.

Our membership steadily increases, and at the close of this Fair we will have at least 4,500 members. The advantages of our library of 56,000 volumes are more recognized every day, as over 12,000 books are drawn from its shelves each month for use in the homes of our members.

On December 15, 1880, at a special meeting of the members of the Institute, it was decided to buy the lot on which stands our present Exhibition building; and in January, 1881, the purchase was completed for the sum of \$175,000. All the funds available at that time were \$5,000, clear of all indebtedness. Financial matters, as regards the purchase, having been arranged, the erection of a building was decided on and plans adopted on October 14, 1881. The contract was awarded to Moore Bros., the building to be completed by February 10, 1882.

The trustees obtained sufficient money to complete the building by loans without interest from public-spirited citizens, and on August 15, 1882, our building was opened to the public. Since that time we have held nine Fairs, and to-day we meet here to announce the formal opening of the Twenty-sixth Industrial Exposition, or the tenth Fair held in our present building.

This property is only separated by a street from the City Hall, and is to-day in the very heart of the city. During the last year the Institute has been offered \$1,000,000 for the property, showing a net gain in the last ten years on that purchase of \$725,000, beside the revenue from the nine exhibitions and other entertainments for which the building is let.

The Institute was organized in 1855. Its founders declared its object to be to cultivate a social feeling of friendship, mutual improvement, the dissemination of information and useful knowledge by the establishment of a library, and the erection of buildings for any scientific, mechanical or literary purpose. Worthy objects they are. What a surprise it must be to those men now living to see the most perfect realization of their designs! What a contrast between the library of 56,000 volumes now on the shelves devoted to and representing every subject to which the human mind has given thought of utterance, with its 4,500 members, and the library of circulation and reference in San Francisco in 1855! And yet its thirty-six years have been unassisted by a single dollar from the public treasury, and the only gift was \$10,000 from James Lick and \$500 from John Center; and it never has held even a lottery.

The men who founded it, as well as those who have succeeded and who now direct its policy and affairs, have never sought their own glory for its establishment, nor their own advancement in its growth; and it seems to me they are deserving of the thanks of this community for the work they are accomplishing.

Its property and income are so protected by legislation that not one dollar of it can be diverted to any private purpose. It is not for us, but for you and your children, and for the city and State during coming time.

A cornet solo by Miss Jessie Millar, who was introduced as the "California Prodigy," was one of the leading features of the programme. At the conclusion of the selection she was greeted with long-continued applause, to which she responded with an encore. She was also presented with a number of floral tributes.

The "Waltz Song" from Gounod's "Romeo and Juliet" was admirably rendered by Mme. Ida de Seminario, with Professor H. Sieb as accompanist. For an encore she sang, in equally good style, "Oft in the Twilight I'm Dreaming."

The Hon. Thos. F. Barry was then introduced and delivered the following highly interesting

ORATION.

MR. PRESIDENT, LADIES AND GENTLEMEN:—To-day we open the Twenty-sixth Industrial Exhibition at the Mechanics' Institute. This concourse evidences the continuance of the popular sympathy and enthusiasm that have attended it since its humble beginnings of thirty-six years ago.

A new interest attaches to this display and to all the approaching fairs, by reason of the coming Columbian Exposition. To-day, as we contemplate with pride our peaceful trophies of California's half century of existence, the carpenter and the mason are busy in Chicago with structures which shall enshrine the triumphs of four centuries of civilization over a savage Continent. And as the varied forms of Californian industry meet our gaze in that spacious edifice erected upon the sands of a few years ago, where all that renders life sweet and comfortable and hopeful are crowded together, we can not forget, amidst these triumphs of the mechanic arts on these distant shores of the Pacific, how heavily, with the hopes and destiny of humanity, were freighted those frail caravels that first buffeted the stormy Atlantic. Since the day that first the bright verdure of the tropic island filled the enraptured soul of Columbus with devout thanksgiving, an amelioration, an improvement in the conditions of human existence has taken place, such as is evidenced under the auspices of this society. We have invited the world to commemorate with us the most momentous event of modern times. To Europe, bristling with bayonets, the Cadmaean teeth, sprung from the battle fields of twenty years ago, we extend the kindly greeting of a united people filled with thankfulness to the Divine Providence that made the promises of

our Constitution good, and, though by war, founded our prosperity and progress and perpetuity as a people upon free labor. Massachusetts and Virginia, Vermont and Texas, just as Maine and California, will, in grateful recognition of the blessings that have flowed to civilization from the discovery of America, two years hence participate in that grand Exposition which will prove to the world that we are once more a united, homogeneous people.

With the stimulus of this grand national festival in the near future, this occasion to-day takes new interest. It is a promise of what California will be at Chicago. It is not so long ago, although we had long since thrown off the swaddling clothes of the Pioneer period, that our resources and ourselves were as little known to our Eastern brethren as America to the average European. A certain exuberance and boastfulness of those who had converted a camp into a commonwealth was confounded in the more staid communities of the East with prodigality and recklessness. It has been hard and slow work to replace in the public mind the red-shirted miner with pistol on hip, so dear to the New England imagination, with the straw-hatted orchardist so stimulating to its enterprise. In fact, it is only when we gaze upon the products of our factories and forges, from the tiniest shot to the ponderous trip-hammer, the luscious fruits and delicate vines, rich with the treasured sweetness of a virgin soil, the breadstuffs and food products of this granary of the world, the countless objects of luxury and art—all these evidences of a cultured, refined and progressive population—that we can realize how great are our resources and how much the wonderful growth of California is due to the mechanic arts.

As amidst the clangor of engines and the busy hum of humanity all these exhibits crowd upon us, how eloquent are they of California's history! Here the amalgamators, concentrators, separators, and even quartz mills, crushing with a blow the rock that countless ages hardened, recall the picturesque miner with his pan and shovel and rocker—the breezy, hearty, nomadic life of the early days. Among the members of this organization are those whose blood is quickened as, surrounded by these triumphs of mining engineering, they go back in memory to the rude cabin on the banks of the American or Yuba, and the Jonathan-like friendship and affection of their old partner, evoking sentiments and ideas so strange, it seems as though they must be connected with a previous existence. There the corn and wheat and flour speak of those great valleys, so long roamed over by countless herds, where the infrequent rancho gave evidence of a sluggish pastoral life, and whose teeming soil was passed over in disdain by the gold-seeker in his haste to wrest the precious metal from the rock-ribbed mountains and filch it from the swift-rushing rivers; they are associated with the idea of the California home, of the stable community, the abandonment of the Argonaut idea to fly with a swiftly-snatched fortune.

Here the gifts of Pomona and the fruits grateful to Bacchus speak of that new California whose glories are being sung to us, although in somewhat unfamiliar tones—the California of leisure and refinement, the land of the

fig tree and the vine. And there the countless products of our diversified mechanical industries, with our rich stores of raw material, are eloquent of the growth of the great Western City, civilization's vanguard in its great march of conquest—a hope and stimulus to the distant Orient. Human civilization, after its circuit of the globe, turns upon itself. Surrounded by every object that can contribute to human comfort, safety, enjoyment and happiness, it is hard to realize that once this harbor was crowded with ships laden with the produce of the world, and that hundreds of thousands of toilers throughout the world bent with new energies to their task to supply the prodigal and importunate demands of the country that produced nothing but gold.

It needs no citation of statistics to show the wonderful growth of San Francisco and California in the industrial arts and in the wealth and comfort growing from them. Each year new evidence is given within the walls of the Pavilion that enterprise and ingenuity and inventive skill have placed no limits to their aims or achievements. Just as the abrupt slopes of our hills invited the swift-moving cable car, each new condition and new want here encountered, meets a ready response in the talent, skill and energy of our people. The Bay, unvexed by the argosies of trade a brief century or two ago, now floats the highest triumphs of naval architecture constructed on its own shores. Each year here is given evidence of the wonderful strides in the useful arts through the instrumentality of science. The chemist takes the refuse from the retorts of the gas-house; and beneath his cunning, almost creative hand, grow the beautiful aniline dyes that gladden the eye and bring objects of beauty within the reach of every one. The twin screw and improved engines have revolutionized ocean traffic. Electricity has practically usurped all the functions of humanity except those merely nutritive. It feels, hears, talks, and Mr. Edison says, it can see; and, if there was any ample profit in it, it could, doubtless, taste and smell. It thinks, too, in the automatic, lifeless way of some men. It can count, it can register; it measures time; it is man's companion from the cradle to the grave—nay, even counterfeits the vital force beyond the confines of the tomb. This monster, like that of Frankenstein, may throw off the mask of servitude and take on the guise of master. Its marvels leave no room for the imagination and make tame its wildest flights.

In the destructive arts such progress has been made that either annihilation or the millenium is at hand. Dynamite guns throwing a shell that would shatter a planet, automatic rapid-firing guns that only require attendants and ammunition to do all the fighting, magazine rifles that kill a man when he is barely visible through a telescope, torpedoes that simply need a copy of the orders and a charge of dynamite to destroy the proudest iron-clad afloat, and, finally, noiseless, smokeless powder that reduces battles to an unromantic, business-like butchery—all these have destroyed the “pride, pomp and circumstance of glorious war.” By adding to its horrors, it is to be hoped that

they have rendered it, if not impossible, less frequent. Yet all these wonders are as naught with those to come. Less than a hundred years have flown since the application of steam to land and water travel. Only half a century since the electric telegraph was the forerunner of its great benefactions to mankind in annihilating time and space. Generation after generation of men watched the frantic efforts of imprisoned steam to escape before Watt saw a kettle expand into a steam engine. From the time of prehistoric man lightning flashed unharnessed until Franklin drew it from the clouds. In this age of material progress what bounds can be placed to the aspirations of mankind? Does not the record of the past, our experience in the present, all prove that science and scientific methods are in their infancy, and their application to man's exaltation and advancement in material comforts only begun? Proud man will not rest until, Prometheus-like, he has wrested its secret from the heart of the universe. In San Francisco this feeling and striving has undoubtedly been stimulated by these Industrial Expositions. Here the inventor can find the tangible reward for successful endeavor. In this open field where, without fear or favor, all may compete, honest merit gains the prize. The quickening impulse of the ideas and constructions of others lead to improvements of the mechanic's work and the manufacturer's product. Even their failures are "stepping-stones by which men may rise to higher things." Here the consumer comes to find what pleases him most, and production responds to the nice touch of demand. Comparison and competition promote skill and insure honest workmanship; and finally, that chord of approbation which ever is attuned to praise, vibrates with a keener pleasure when amidst friends and kindred earnest endeavor for the common good receives public plaudits. In these contests, like the public games of Greece, not mere sordid gain forms the prize, but successful achievement is a glory unto itself. While this society, with its exhibitions and its library and lectures, has done so much to elevate the standard of mechanical skill and intelligence, a school for education in practical mechanics has been a long-felt want. It is a subject for congratulation that the Lick School is no longer a deferred hope. When the monument to the inspired author of the "Star-spangled Banner" shall have crumbled to dust, and the lofty piles erected by his bounty shall have sunk into the earth whence they came, countless generations of earnest, high-spirited youths shall bless the name of their benefactor. So long as gratitude shall spring from the human heart the name of James Lick shall not perish in California. The trustees have secured a site and the long-delayed benefactions to the mechanics of California will soon be realized. The reproach that we produce no trained workmen of the higher grades will be wiped away. No longer shall it be necessary to import the highest mechanical skill from the East and Europe. It is in no narrow or provincial spirit that we rejoice in the opportunities to be afforded the youths of California. It is a good thing for a community to educate its youth at home, and to offer every advantage that education and training can afford to make them workers whose brains and hands are more in unison. It is only

by disciplined exertion, by well-directed toil, by the slow and laborious acquisition of each element of his handicraft, that the youth, whether he become a mechanic or take some other business, can learn the value of thoroughness. He will find that toil, unceasing toil, is the price of high achievement.

The heights by great men reached and kept
Were not attained by sudden flight,
But they, while their companions slept,
Were toiling upward in the night.

And now, with all these evidences of material prosperity around us, and with the promise of the future, is there not danger that we unduly exalt this material progress? May we not lose sight of the nobler, the intellectual and spiritual side of life in the worship of these grosser triumphs? Emerson, in a somewhat pessimistic strain, said "Things are in the saddle and ride mankind."

While the whole world gives evidence of this spirit it is strongest with us. The enormous stretches of country to be opened up and cultivated, the forests to be removed, the rivers to be crossed and mountains to be tunneled in this new commonwealth, the obstacles to be overcome in unfamiliar place and circumstance, the stimulus of absolute equality, as to opportunity, gave a wonderful incentive to mechanical pursuits and the inventive genius of man. Knowing the history of the settlement of this country, its early population, even if all records of our Patent Office should fade away, the future historian could reconstruct the wonderful people whose inventions subjugated the material universe. Even to-day the American mechanic enjoys conditions and opportunities given nowhere else. He is not forced into a military life with its indurating tendencies during the plastic period of early manhood, to the great loss of his productive energy, nor is he afterward compelled to contribute to the support of hundreds of thousands passing through the same servitude. An impoverished land does not deny him recompense for his toil, food and comfort for himself and his family. No class distinctions fetter his manhood and stifle his ambition. No petty tyranny of Church or State make him feel that he is a "mechanic slave with greasy apron." His children find all the avenues to honorable preferment open to them, and learn that "worth makes the man and want of it the fellow." He shares the prosperity of the community, participates in the making and the administration of its laws, and he is of that weight and importance that his own intelligence and integrity deserve. To-day, the American mechanic stands the uncrowned king of the laboring world.

Yet we do find, notwithstanding this dignity and importance of the American mechanic and the traditional respect for labor, in a new community where inherited wealth is hardly yet known and where it is still considered a reproach to be an idler, even though wealthy, that we have strikes and lock-outs, combinations of labor against capital, irritated and resentful relations between both, and manifestations of the same tendencies as afflict less blessed

communities. We find amidst our free institutions, supported and administered by the people themselves in efforts to public weal, a low tone of patriotism manifested in our large cities in the form of great civic corruption. Recently it has seemed a new truth in these degenerate times that public office is a public trust. I know that some people have found a cause and an explanation of this, and expect to change human nature by revolutionizing the system of land tenure. But man's nature is too many-sided to refer all these evils and tendencies to one simple cause.

Are not these discontents and strained relations the outgrowth merely of a hard materialistic view of life? Has not the soul, the moral fibre of the American people, suffered by its greed for wealth? We boast of our 60,000,000 of population, of our enormous productions of wheat, corn, cotton, livestock, iron, the precious metals and all the various articles that mark us out among the nations of the world. We boast of our free institutions and manhood suffrage. But what is done for the manhood upon which this must all rest? Is it true that society was simply organized to secure the defense and accumulation of property, and that all the complicated machinery of human government has grown together piece by piece to promote the material welfare of man? When capital simply looks upon labor as an animate commodity, like any other raw material to be wrought into articles for consumption, to be sold at the highest price obtainable, and believes that the wealth thus obtained is to be applied to the purchase of more labor and raw material or expended for fine houses and grounds and the countless luxuries of life, what common human tie can there be between the two? When labor considers that capital should be dispensed as alms, that whim and caprice and not honest co-operation shall direct its efforts; when it considers its employer a deadly enemy to be wounded on every possible occasion, how long can even material prosperity rest on such a basis?

Great aggregations of wealth in the form of combines render capital impersonal and tend to harden both capital and labor in their mutual relations. Employer and employé have the same feelings of justice and kindness in the main and are animated by the same motives. Capital as an abstraction may be odious and denounced with great fervor; but the laborer who finds his employer kindly and humane will overlook his undying hostility to the abstraction in favor of the individual. So it is with capital. Where the individuals are brought in direct contact the human feelings and sufferings of labor appeal to the capitalist whose class ideas all are founded upon a belief in the innate perversity of labor. It is in destroying this personal relation between capital and labor, so that the common bond of humanity is lost sight of, that the great corporations and trusts are so rapidly producing a tension between capital and labor. The craze for material advancement, the insatiate demands from groaning nature, are deifying the mere works of man at the expense of their Creator. There is a tendency to brutalize and degrade him while the insensate engine is idealized and elevated. While there are other causes at work, it seems to me that socialistic and communistic theories

are deriving strength and support from the hard, cruel, materialistic aims of our times.

Men were not created to be mere hewers of wood and drawers of water—to spend their whole lives in the mere acquisition, defense and transmission of property. A nation is not truly great that has no soul, no moral aspirations, no spiritual elevation. Patriotism, principle, love of honor, truth and justice, more become a people and insure their tranquillity and happiness than massive piles, treasures of gold and silver, or even mammoth industrial enterprises that give employment to multitudes. Rest from wearing toil and the cultivation of his intellect and soul by communion with himself or converse with his fellows, are better for the individual than one unceasing round of never-ending labor for the sordid things of life. Art and literature will then receive a stimulus and spread their soft and refining influences. Then the highest honors will be paid to unselfish devotion to one's fellow-man and labor for the common good. Then good feeling will govern the relations of capital and labor, and in loving harmony they will strive for their common elevation. It is a saddening reflection that though our wealth is enormously increasing, our population growing with unparalleled rapidity, our patent office crowded with the most cunning contrivances that ever emanated from the brain of man, our progress in the mechanic arts staggering in its magnitude, we have done but little to refine or elevate mankind. Our art and literature, with but slight exceptions, are either a reflection or imitation of European models.

Intelligent mechanics, both employers and employés, such as constitute this association, and the great body of artisans generally, can do much to remedy these evils and check these tendencies. I would not be understood to detract one iota from the glory of our achievements in dominating the material universe and adding to the comforts of man. This grand progress of mankind should not be checked. It has contributed too much to human happiness to be impeded in its onward sweep. But it must not be the only aim of humanity. Education must be spread, knowledge diffused. Stimulate the intellectual, spiritual man; teach your children that no matter how wealthy and powerful a people may be, if they cherish not justice and truth and if they love not one another as offspring of the same Father, their greatness and wealth are naught, and they will perish.

Let your participation in politics be on a plane of patriotism and not of party. Economic questions as to the tariff, legislation upon the relations of capital and labor peculiarly within your knowledge, are to be settled by earnest discussion and thoughtful honest voting, and not by party shibboleths. Clean administration should be the aim in mere government affairs. The official who steals from the public should feel the public scorn just as surely as the felon who goes to the penitentiary. Let wealth wrung by injustice and cruelty from starving labor be dishonorable. The laborer is worthy of his hire. He should share in the great wealth and prosperity that he has helped to create; and, rich with the material bounty his toil has made

possible, he should share also in the moral and intellectual elevation that should refine and ennoble material advancement. Let exhibitions and lectures and reading-rooms and schools give us high-minded, broad-minded men, who respect themselves and love their country—"Men who their duties know, but know their rights, and, knowing, dare maintain them."

Then shall we reach that glorious destiny that the providence of God has marked out for us. Then shall the greatness of our resources, the intelligence and prosperity of our people, be overshadowed by the greater glory of our free institutions uprightly maintained for the common weal. And under the banners of individual liberty and charity and good will towards all, we shall lead the proud march of mankind towards that grandest goal of human aspirations, "the parliament of man and the federation of the world."

After the speaker had retired amid great applause, the famous Trombone Quartette, composed of Messrs. Delaney, Tobin, Gutman and Wright, rendered a selection entitled "The Sabbath Day," which was kindly received, and the enjoyable affair closed with a selection by the Orchestra.

The Exposition was thrown open to the public at 7:30 in the evening, and was well attended during the following six weeks.

Alphabetical List

OF

Exhibitors and Articles Exhibited.

Class.

- 13 Abrahamson, P., 313 Market street.... Abrahamson's Patent Ventilators
- 19 Adelstein, Prof. Sam'l, 1019 Sutter street Imported Mandolins and Stringed Instruments.
- 5 Aermotor Company, The, 10-12 Main street..... Aermotor Windmills
- 30 Alexander, Dr. I..... General Display of Optical Goods
- 5 Alexander, Leo & Co., 218 Sansome street.... Smith Premier Typewriter
- 45 Allen, C. R., 16 Howard street New Wellington Coal
- 1 American Balance Slidevalve Co., 216 Mission street..... American Balance Slidevalve and Automatic Steam Balance Piston.
- 41 American Biscuit Co., 803 Battery street... General Display of Crackers and Biscuits.
- 40 American Lucol Co., 308 Market street..... Lucol Oils and Paints
- 5 Anderson, W. W., San Rafael.... Model of Automatic Doors for Elevator Shaft and Safety Device for Elevators.
- 21 Andrews, Mrs. A. D., 1608½ Folsom street..... Safety Window Chair
- 23 Armes & Dallam, 230 Front street... Wooden Ware, Churns, etc.
- 18 Atkinson, G. F., 11 Clementina street..... California Wood Novelties and Lathe, in operation.
- 46 Bailey, C. P., San Jose..... Display of Mohair
- 11 Baker, Philip S., 2 Pine street Paper Model of 35-Horse Power Traction Engine.
- 11-20 Baker & Hamilton, 2 Pine street General Display of Agricultural Implements, Vehicles, etc.
- 46 Balfour, Guthrie & Co..... Display of Dried Prunes
- 36 Banister & Malin, 226 Post street. Decorated Chinaware
- 13 Barnett, Thos., 1337 Pacific street..... Improved Broiler and Toaster
- 40 Bartlett Spring Mineral Water Co., 22 Fourth street Bartlett Water
- 25 Baumgarten & Co..... Samples of Manufactured Flax
- 41 Beck, D. L. & Sons, 30 Fremont street..... Display of Duryea's Starch, Price's Baking Powder and Flavoring Extracts, and Log Cabin Maple Syrup.
- 38 Bertholdt, Robt., 135 Sixth street..... Engraving—The Coming Storm

Class.

- 20 Betts' Spring Company, 218 Fremont street. Wagon, Car and
Locomotive Springs.
- 37 Beveridge, Miss Kühne. Bust of Adolph Sutro, and Fancy Head
- 34 Brand, Mrs. S. A., 718 McAllister street. One Bedspread
- 32 Breen, Miss Kate. Pyrites and Fancy Jewelry
- 17 Browell, J., 727 Montgomery street. Patent Chimneys, Flues, Tops
and Heating and Ventilating Flues and Chimneys.
- 13-14 Brown, Chas. & Son., 823 Market street. Ranges, Stoves,
Cutlery, Enameled Ware, Hardware and Gas Cooking Stoves.
- 39 Brunner, Mrs. E. Portraits
- 33 Brunt & Co., 535 Clay street. Fine Printing, Engraving and Embossing
- 23 Buchanan Bros., 609 Sacramento street. Brushes, Feather-dusters
and Carpet-sweepers.
- 34 Buhlert, Mrs. Mary, 15th Avenue. Child's Lace Dress
- 34 Burger, Miss Gussie. Kensington Oil Paintings
- 18 Burr, C. H., 667 Mission street. Display of Weatherstrips
- 21 Burr Folding Bed Company, 642 Mission street. Burr Folding
Beds, Andrews' Cabinet Beds, Ross' Table Washstands and Marks'
Reclining Chair.
- 5 Butterbaugh, C. C., San Jose. Car Truck and Track
- 18 Butterworth, T. C., 15 Polk street. Display of Art Stained, Mosaic
and Bent Glass.
- 23 Cahill, F., 126 Fifth street. Self-wringing Mop
- 37 Caldwell, Mrs. A., 219 Golden Gate avenue. Carved Black Walnut Easel
- 3-18 California Bellows Manufacturing Co., 123 Beale street. Bellows
of various sizes, Forge, and Step-ladders.
- 40-43 California Bottling Co., 1407 Eddy street. General Display of
Wieland's Bottled and Draught Beer, Manitou Water and Ginger
Champagne.
- 23 California Broom Factory, J. Taylor, Proprietor, 1847 Seventh street,
Oakland. Display of Brooms
- 46 California Cotton Mills, Oakland, Cal. Cotton Twine and
Rope, Ramie Cloth and Twine.
- 29 California Electrical Works, 35 Market street. Static Electrical
Generator and Electrical Supplies.
- 5 California Ramie Co., 221 Market street. Ramie Fibre Separator
and Ramie Machinery.
- 25 California State Prison, San Quentin. Jute Goods, Bags, etc.
- 40 Callustro Co., The, 26 Golden Gate ave. Callustro Products
- 16 Campbell, D. T., Folding Bath Tub
- 41 Central Milling Co., 29 Steuart street. Drifted Snow Flour
- 46 Chase, L. C. & Co. Mohair Plushes
- 5-25 Chronicle, The San Francisco, cor. Market and Kearny. Stereotype
Plates and Roll Paper.

Class.

- 28 Close & Son, 203 Powell street.....Flesher's School of Dressmaking
- 28 Cluff Garment Fastener Co., Lodi, Cal..... Garment Fasteners and Supporters.
- 40-42-45 Coburn, Tevis & Co., 107 Front street.....Toilet Soaps, Perfumery, Olive Oil, C. & S. Axle Grease, Putz Pomade, Mott's Sweet Cider, Birdseed, Hungarian Mineral Water, Sapolio, Borax, and Oils.
- 18-12-37-38 Cogswell Polytechnical College, 26th and Folsom sts...Mechanical Drawings, Free-hand Drawings, Wood-turning and Carving, Blacksmith and Bridge-work, etc..
- 20 Columbus Buggy Co., 29 Market street,...Display of Imported Carriages
- 46 Contrexville Manufacturing Co.....Cotton Plushes
- 20 Coppeck, E., 421 Market street....Stratton's Combination Phaeton and Surrey.
- 40 Coronado Water Co., 118 Montgomery street ...Coronado Mineral Water
- 26 Costikyan & Bedrosian, 110 Montgomery street .. Turkish Rugs and other Goods.
- 41 Cowdery, E. T. & Co., 205 Front streetSoups, Deviled Ham and Meats.
- 23 Craig, Mrs. J. W., 232 Van Ness avenue.....Folding Nursery Chair and Everlasting Clothes-pin
- 46 Crawford, A. & Co., 25 Market street.....Fibre and Sea Island Cotton
- 18 Critcher, W. K., 334 Shotwell street,.....Door and Window Stops
- 41 Cudahay Packing Co., Omaha, Neb.....Extract of Beef, Canned Meats and Lard.
- 34 Culligan, Miss Annie, 231 Fulton street..Piano Cover
- 19 Curtaz, B. & Son, 20 O'Farrell street.....General Display of Pianos
- 5 Daily Evening Post, Bush and Kearny sts.Stereotype Plates
- 5 Davis, S., 421 Montgomery streetOdell Typewriter
- 11 Deere Implement Co., 305-307 Market street.....Grape Stemmer, Press and Grader, Champion Fan Mill, Potato-digger, and Agricultural Implements.
- 13 De La Montanya, J., 216 Jackson street.....Stoves, Furnaces, Tinware, Tea-pots and Copperware.
- 21 Delaney, Mrs. C. A., Santa Barbara, Cal.... Oriental Shelter Hammock
- 46 Denigan, Thos. & Son, 132 Market street..... Wools and Fleeces
- 34 Devereaux, Mrs. Hattie, Oakland.....Two Lace Dresses
- 33 Dewey Engraving Co., 220 Market street...Photo Fac-simile Engravings, Zinc Etchings, Photo Engravings, etc.
- 34 Dietrich, Mrs. L., 2019 Park street, Alameda.... Crochet Beaded Satchel
- 5-14 Di Vecchio, Stephen, San Jose, Cal... ..Butchers' Supplies and Refrigerator.
- 2 Dow Steam Pump Works, 114 Beale streetSteam Pumps and Machinery.

Class.

- 46 Drury, W. W. & J. S., Bakersfield, Cal.....Ramie Stalks and Fibre
 34 Duhring, Mrs. F. T., 120 Sutter streetQuilt and Shawl
 7 Dwight & Jepson, 3011 Mission street.....Perfection Clothes Washer
 40 Eagle Manufacturing Co., 315 Sacramento street.....Shoe Dressing, Inks
 and Mucilage.
 29 Electrical Engineering Co., 21 Spear streetElectric Motors
 29 Electrical Storage and Supply Co., 723 Market street..... Julian
 System of Storage Battery, Gamewell Fire Alarm, and Electric
 Appliances.
 29 Electrical Supply Co., 328 Bush streetDisplay of Electric Apparatus
 17 Elliott & Farrell, 26th and Mission streets.....Hand-cut and Set Art
 Brickwork.
 38 Emmrich, ErnestPen and Ink Pictures
 13 Falls, J. H., Oakland.....The "Falls" Heater
 33 Faust, H. W., 618 Harrison street.....Map of San Francisco
 5 Firth, J. K. & Co., 225 First street.....Ice Making Plant
 36 Fish, Mrs. F. A., Benicia, Cal.....Painted Glass Panels, Placques and
 Chinaware, etc.
 34 Fiske, Mrs. O., Twentieth and Sanchez streets.....Shams and Apron
 34 Fleissner, Mary, 1615 Webster street.....Chenille Embroidery
 34 Flesher's School of Dress-cutting.....Display of Dress-making
 37 Flohr, Frederick, 1133½ Mission street.....Statue "Rock of Ages."
 12 Folding Iron Gate and Guard Co., 79 New Montgomery street...Folding
 Gates.
 38 Foster, E. LauraEngraving
 39 Fowzer, J., 337 Hayes street....Photographs, Water Colors and Crayons
 34 Fox, Mrs. D. C., 320 Geary street....Chenille Picture "Count Cencius'
 Appeal."
 34 Frazer, Leah, 817½ Geary street.....Display of Lacework
 24 French & Linforth, 35 Beale street.....Gandy Belting
 38 Friedman, Mrs. S., 1230 Post streetCrayon Piece
 13-23 Fuller, J. C., Oakland.....Daggett's Roaster, and Clipper Flour-Bin
 18 Furlong, T. N., 1221 Market street.....Show-case
 14 Gardner Sash Balance Co., 54 Mission street. Steel Sash-ribbon,
 Pulleys and Sash Attachments.
 39 Garthorne, Chas., 538 California street.....Display of Photos
 39 Gallagher, Geo. M.....One Photograph
 12 Galvin, Thos., 2107 Polk street.....Display of Horse-shoes
 12 Gibbs, G. W. & Co., Fremont street.....Iron Pipe-joints
 14 Gibbs, Wm. T., 459 Ninth street, Oakland.Doud's Patent Keyless
 Locks.
 17 Gladding, McBean & Co., 1358 Market street Terra Cotta Arches
 13 Goodrich Taylor, 27 New Montgomery street.....Magee Mystic Ranges
 and General Display of Ranges, Hot Water and Hot Air Heaters,
 etc.

Class.

- 28 Gordon-Fletcher, Mme. Kellogg's French Tailor System of Dress Cutting and Cut and Fitted Dresses.
- 34 Gorfinkel, Annie, 702½ McAllister street Pillow Shams
- 16 Graff, A. S., 47 Second street Diamond Coal Oil Burner
- 19 Graff, A., 47 Second street. California Manufactured Pianos and Sound-board.
- 1-2 Graham, M. A., Beale and Mission streets Gas Engine and Rotary Pumps.
- 34 Grasselly, Z. & Co., 14 Grant avenue Embroidery Work
- 24 Grayson, Oakland Miniature Mexican Saddle
- 34 Gussler, Mrs. Anna, Sonoma and Kansas streets Two Pieces Lacework
- 37 Haddock, A., 1008½ Market st. Plaster Portrait of Prof. O. S. Fowler
- 5 Hall, W. S., 1170 Market street Pocket Electropoise
- 28 Hamelin, Mme. A., 219 Post street French Corsets—California Manufacture.
- 5 Hanson, Ayres & Co., 331 Montgomery street Typewriting School
- 34 Harbitz, Mrs. E., Berkeley Artificial Wool Flowers
- 23 Harriott, A. D., 10 Eighth street Wire Puzzles—Manufactured in Pavilion.
- 34 Harris, Miss Bertha, 303 Octavia street Shams and Scarf
- 9 Harukuchi, I., 319 Franklin street Miniature Japanese War-ship
- 5 Harvey, Geo., 547 Brannan street Stump-pulling Machine
- 7 Heald, Thomas, Healdsburg Self-heating Washing Machine
- 27-32 Heininger, C. P., 413 California street Walking Canes and Shell Goods.
- 18 Henry, C. E., 783 Market street Ladies' Frame
- 46 Herrmann & Co., 313 Sacramento street Display of Hops
- 20 Herold, Chas., San Bruno Road One Four-horse Box Wagon
- 34 Hervey, Mrs. C., 1064 Howard street One Rug
- 20-21 Heywood Bros. & Co., 659 Mission street Reed and Rattan Furniture and Children's Carriages.
- 3 Hicks, J. L., 667 Mission street Iron Lathes, Planers and Drill Presses.
- 46 Hilgard, E. W., Berkeley Ramie Plant, Growing and Dry
- 5 Hodges, H. C., Healdsburg Windmills
- 37 Hoffman, L. M., 105 Beale street Wood Carvings and Signs
- 36 Holmes, Miss E. C., Oakland Display of Decorated Chinaware
- 44 Horn & Co., 109 Front street Display of Cigars
- 40 Horstman, John, 767 Bryant street Lavarine and Bi-Carb. Soda
- 16-17 Hubbard, E. A., 120 Sutter street Cut Glass and Pittsburg Lamps
- 10-34 Hudson, Wm., 16 Mason street Home Hand Embroidery Machine and Work.
- 30 Hughes, C. F. Optical Goods
- 6 Huntington, F. A., 213 First street Mining Machinery in Operation

Class.

- 18 Hurlbut, R. P., 559 Brannan street... Artistic Display of Redwood Veneers
 23 Iceberg Freezer Co., 530 Washington street..... Ice Cream Freezer
 21 Ingham, R. L., 1724 Stevenson street..... Adjustable Extension Drop-shade Fixtures.
 17 Inyo Marble Co., 137 Montgomery street..... Display of Fine California Marble.
 23 Jack Frost Freezer Co., 159 New Montgomery street..... Ice Cream Freezers.
 13-16 Jantzen, Fred, 717 Market street..... Jantzen's Lamps and Oil Stoves
 41 Jennings, C. B., 121 California street..... Toboggan Brand Maple Syrup
 13 Jewett, S. S. & Co., 525 Market street... .. Stoves, Ranges, Hot Water Heaters, Vapor Stoves and Gas Cooking Apparatus.
 1 Johnson, C. B. & Co. Magnesite Sectional Covering
 24-25 Johnson, J. C. & Co., 400 Market street... Harness, Robes and Whips
 34 Johnson, Miss Teckla, 1810 Stockton street..... Spanish Work, Spread and Shams.
 1 Joshua Hendy Machine Works Steam Engine in Operation
 9 Keene, Jas., 340 Page street..... Sailing Canoe (Full Rigged)
 28 Keith, Alma E., 24 Kearny street..... Artistic Millinery
 34 Keith, Mrs. O. W., 509 Sutter street..... Tailor System of Dress Cutting
 8-14-20 Kellogg & Hall, 15 First street..... Gendron Bicycles, Hosebands and Shotgun Shells.
 46 Kendall, F. I., 509 Montgomery street..... Arabian Dates
 16 Ketchum, Mrs. M. Embossed Brass and Repoussé Work
 29 Klein, Jno. M., 720 Montgomery street ... General Display of Electrical Goods.
 16 Knapp, H. G., 113 Van Ness avenue..... Perfection Filter
 11 Knapp, R. I., Half-moon Bay..... Side-hill Plows
 19 Kohler & Chase, 26 O'Farrell street... Pianos and Musical Merchandise
 39 Lainer, Chas., 31 Third street..... Display of Photographic Work
 34 Leonard, Miss M., 1916 Market street Quilt
 34 Lewis, Zelda, 216 Grove street..... String of Buttons
 5 Lichtenberg, Wm., 321 Market..... Ramie Decorticating Machine
 14 Liddle, R., 538 Washington street..... Guns, Rifles and Sporting Goods
 16 Lightning Filter Co., City Hall ave..... Self-cleaning Filter
 20 Locke & Rafferty, 670 Mission street..... Buggy
 34 Lord, Mrs. J. W., 42 Dorland street..... Child's Lace Dress and Tidy
 44 Lorillard & Co., 217 Front street..... Grizzly Cut Plug Tobacco
 45 Lorquin, E. F., 1149 Market street Collection of Preserved Birds, Animals, Insects, Shells and Natural Curiosities.
 19 Leuders, Herman, 82 Ninth street..... Newman Pianos
 8-16 Lunny, Stewart, 316 Laguna street Lawn Sprinkler, Hose Coupling and Slop-screen.
 28 Luscomb & Isaacs, 18 Sutter street..... R. & G. Corsets

Class.

- 40 Magner Bros., 322 Front street.....House and Floor Paints
- 14 Magney Sash Balance Co., 100 Flood BuildingSash Balance
- 1 Mailer & Co., Twenty-third and Diamond streets .. .Furnace Door-liners and Grate-bars.
- 18 Mallon, John, 19 Fremont street.... .Display of Art Stained, Cut, Bent and Embossed Glass, Ornamental Mirrors and Photographs Burnt in Glass.
- 39 Marceau, T. C., Phelan Building.....General Display of Photographs, Water-colors and Crayons.
- 46 Marguerite Fruit Farm, Winters, Yolo county.....General Display of Green, Dried, Canned and Preserved Fruits, Raisins, Nuts, Jellies, and Jams.
- 34-37 Martel, Mrs. A. F., 813 BushWax Hand and Linen Tidy
- 21 Martel, A. F., 813 BushWindow Curtain Pole Attachment
- 1 Martin, A. E. B., 208 McAllisterSteam Boiler Purger
- 42 Martinelli, S., Watsonville.....Apple Cider, in bottles
- 8-12 Martinez, A., 108 First street....Fire Escape System, Stand-pipes and Ironwork.
- 3 Marwedel, C. F., 56 First street....Machinists', Engineers' and Molders' Tools.
- 34 Matheson, Mrs. C., 1116 Treat avenue.....Buttons on Card, Etchings
- 34 Maupin, Mrs. Z., 423 Ellis.....Chenille Slippers
- 13 Maynard, J. C., 312 Pine street.....The Tennessee Baking Pan
- 46 McAfee, L. C., Nevada BlockProducts of Ramie, Cloth, etc.
- 38 McDougal & Sons, 330 Pine street.....Architectural Drawings
- 18 McEacham, B., 539 Stevenson street... .Patent Window Frame
- 34 McElroy, Mrs. W., 1132 Stevenson street...Satin Crazy-quilt and Shams
- 20 Meister, A., SacramentoVillage Cart
- 34 Melton, Miss A. E., 2709 Larkin street....Crocheted and Mexican Work, Scarfs and Doylies.
- 20 Mersereau & Clark, 2237 Mission street.....Village and Road Carts
- 28 Metz & Co., 1212 Market street.... .Richelieu Gloves
- 45 Mexican Phosphate and Sulphur Co., 309 Sacramento street.....Super-phosphate Fertilizers.
- 1 Meyer, Albert, 811 Montgomery avenue ...Working Model of Reversible Eccentric.
- 34 Meyer, Mrs. C., 109 Tenth street.....Twine Holders
- 16 Meyer, Ph., 215 Eddy street.....Welsbach Incandescent Gaslights and Lungren & Gordon's Gas-lamps.
- 34-36 Millar, Jessie, 1029 Mission street.....Collection of Needlework and Painting.
- 34 Millar, Mrs. L. P., 1029 Mission street....Spanish Silk Embroidery and Drawn Work.
- 17 Mittge, Chas., 2943 Howard street.....Anti-water Composition

Class.

- 5 Moening, E. & Co., 614 Octavia street.....Working Models of Elevators
- 34 Moesch, Otto, 35 New Montgomery street.....Embroidered Dress Trimmings, Dress Goods, Silk Handkerchiefs, Scarfs and Shawls (imported).
- 40 Mohr, M., 2280 Van Ness avenue. Feather Curler and Fluid Polish
- 20 Mohrig, E., 112 Golden Gate avenue.....Paragon Bicycles
- 8 Moore, R. H. Oakland.....Acme Hose Reels
- 10 Morse, W. P., 240 Sixth street.....Benson Tidy Holder
- 5 Moulton, E. G., 1211 Bush street.....Pea Shellers
- 19 Müller, Herman, 1346 Turk street.....California-manufactured Zithers and Mandolins.
- 34 Muller, Mrs. M., 653 Minna street.....Worsted Crocheted Skirt
- 45 Munz, J. A., 347 Tehama.....Elegant Display of Deer Horns
- 46 Murray, Wm. H., 433 California street.....Exhibit of Ramie Culture
- 13-16 Meyers, John F. & Co., 863 Market street.....Household Ranges, Rochester Lamps and Oil-heating Stoves.
- 9 Neilsen, Jacob, 1052 Howard street.....Miniature Ship and House
- 9 Nixon, Cecil, 1519 Broadway.....Miniature Ship
- 13 Newark Stove Co.....Cast-iron Stoves and Ranges—Calif. Manufacture
- 37 Notary, Antone, 25 Montgomery avenue.....Plaster Casts
- 36 Nourse, Mrs. M., Flood Building.....Decorated Chinaware
- 25 Nowak, J., Arcata, Humboldt county.....Display of Mounted Furs
- 36 Ochs, Amelia, 512 Haight street.....Decorated Plush Chair, Placques and Velvet, and Plush Painting.
- 14-20 Osborn & Alexander, 401 Market street.....General Display of Bicycles, Hardware and Bicycle Attachments.
- 20 Overman Wheel Co., 309 Larkin street.....Safety Bicycles
- 20 O'Brien & Sons, Turk and Polk streets.....Electric Railway Car and General Display of California-made Carriages and Vehicles.
- 24-25 O'Kane, J., 767 Market street.....Harness, Robes, Saddlery, Whips and Horse-clothing.
- 14 Pacific Butcher's Supply Co., 69 New Montgomery street.....Butchers' Supplies.
- 14 Pacific Coast Fencing Co., 415 Montgomery street.....Woven Wire Fencing and Machine for Manufacture thereof.
- 20 Pacific Coast Manufacturing Co., 645 Mission street...Village Roadcarts Patent Dash Rail and Seat Guards.
- 8 Pacific Equipment Co., 211 Sansome street.. Patent Chemical Fire Pails
- 5 Pacific Manufacturing Co., 575 Mission street.....Cyclone Windmill, Water Tank, Pumps and Cylinders.
- 21 Pacific Spring Mattress Co.....General Display of Folding Beds, Lounges, Sofa-beds, Woven-wire Mattresses, etc.
- 29 Pacific Phonograph Co., 323 Pine street.....Phonographs in Operation
- 39 Pacific Portrait Co., 1221 Market street.....Display of Portraits

Class.

- 5-25 Pacific Roll Paper Co., 30 First street Paper-holders and Cutters, Wrapping Paper, Straw Paper, Roofing, Sheathing and Building Paper.
- 21 Pacific Spring & Mattress Co., 762 Mission street Shaber Sofa
- 2 Pack, J. W., 43 Stevenson street Water Motor for Sewing Machines
- 7-14 Paige, S. B., 841 Market street Byron Dishwasher, I. X. L. Clothes-washer and Cooper's Sash-lock.
- 5 Palmer & Rey, 405 Sansome street Printing Presses and Machinery
- 11 Palmer & Rey, 405 Sansome street Wine Presses, Seeders and Olive Oil Press.
- 39 Partridge, Sam'l C., 226 Bush street Photographic Supplies and Electric Optical Lanterns.
- 16 Pasteur Germ Proof Filter Co., 545 Market street Pasteur's Filters
- 34 Patterson, Mrs. Jas. Pair of Shams and Spread
- 16 Payne, Dr. R. E., Chronicle Building Self-closing Automatic Gas-burner.
- 2-10 Pelton Waterwheel Co., 121 Main street Waterwheels, Motors, Governors, and Rock and Ore Crushers.
- 17 Perine, W. D., Oakland Chili Bar Slate
- 33 Pernau Bros., 1808 Market street Dime Banks, Pens and Novelties
- 41 Pettijohn, W. A., 205 Mission street Flour of Life
- 15 Pierce & Co., Chronicle Building Display of Cash Registers and Computing Scale.
- 15-5 Pond, Enoch, 208 Post Peck's Cash Register and Sales Recorder, and Pomeroy Automatic Duplex Duplicator.
- 13 Progress Gas Stove Co., 832 Howard street Gas Stoves
- 34 Quadt, Miss M., 19 Thirteenth street Crazy-quilt
- 18 Quagliotti & Co., 1304 Stockton street Sand-blast Decorated Glass
- 8 Quick Coupling Co., 755 Mission street Patent Hose Coupling
- 45 Radovich, L., 306 Kearny street Deer's Head and Mineral Specimens
- 6 Radovich, L. Hand-power Rock Reducer and Pulverizer
- 16 Rapid Safety Filter Co., 1209 Market street Water Filters
- 13-41 Rathjen Bros., 21 Stockton street Ideal Coffee-pot and Coffee
- 13 Ray, W. S. & Co., 24 Steuart street General Display of Stoves, Ranges, Hot-air Heaters, Adjustable Stove Grates, etc.
- 32 Richardson, A., 1034 Market street Electric Diamonds
- 14 Rischmuller, G., 934 Capp street Door Opener and Closer
- 2 Risdon Iron Works Davidson, Marsh and Murray Pumps
- 9 Rosovich, P., 524 Eddy street Miniature Ship
- 33 Rotholz, Benj., 436 Hayes street Artistic Printing and Stationery
- 34 Rundle, Miss Eva, 122 California street Straw-work from Society Islands, and Crazy-quilt.
- 46 Sanford Mills, Maine Angora Plushes
- 5 Saml. Hill Co., 29 New Montgomery street Edison Mimeograph

Class.

- 18 Sanborn, Vail & Co., 857 Market street.....General Display of Pictures, Frames, Mirrors, Artists' Materials, etc.
- 46 Sanders, F., Fulton and Larkin streets.. Prepared Jams, Jellies, Fruits, Mincemeat, Catsup and Plum Pudding.
- 13 S. F. Gaslight Co., 16 Post street.....Gas Ranges, Broilers, Heaters, Grates and Stoves.
- 5 S. F. Plating Works, 653 Mission street.....Amalgamating Plates for Miners' use.
- 46 Schacht, Lemke and Steiner.....Display of Honey
- 34 Schaleke, Mrs. F. W., 515 Fell street.....Painted Banner
- 8 Schenck, W. T. Y., 222 Market street.Display of Fire Department Apparatus.
- 34 Schendel, Mrs. Wm., 20 Thirteenth street.....Crazy-quilt
- 1 Schilling, Adam & Sons, 211 Main street.....Gas Engines
- 5 Schillmoler, Aug., 738 Market street.....Squeak Eradicator (A merciful invention for obliterating the obnoxious squeaking of foot-gear.)
- 37 Schmid, R., Fulton and Larkin streets.....Statuary, and a Marble bust of the late Dr. Ferrer.
- 16 Scott, W. D., 207 Eddy street.....Patent Air Vents for Barrels
- 5 Scott & Bannan, 213 Sansome street... .."Hammond" Typewriter
- 36 Scoville, Mrs. J. J., 2223 Pacific avenue.....Decorated Chinaware
- 36 Seidl, E., 414 O'Farrell street.....Decorated Chinaware
- 40 Shasta Mineral Spring Co., 205 Front street.....Mineral Water, Ginger Ale, and Sarsaparilla and Iron.
- 5 Sherman & Davis, 16 Post street.....Merchants' Roll Paper, Printer and Cutter.
- 34 Shiehing, Miss L., 813 Larkin street.....Wire and Worsted Work
- 14 Shreve, Geo. W., 525 Kearny street.....Fire-arms, Fishing Tackle, Dog Collars, Cutlery and Hunters' Canvas Goods.
- 10-34 Singer Manufacturing Co., 22 Post street.....General Display of Sewing Machines, Button-hole Machines, Art Embroidery and Decorations.
- 21 Sloane, W. & J. & Co., 641 Market street.....General Display of Furniture, Carpets, Draperies and Upholstery.
- 34 Smith, Mrs. G. B., Potrero.....One Pair Shams
- 41 Snider's Preserve Co., 116 California street.....Snider's Celebrated Soups and Catsups.
- 38 Southern, T. R., Phelan Building.....Display of Penmanship, Engrossing, Card-writing, etc.
- 10-34 Squires, J. H., 114½ Turk street.....Perfection Embroidery and Tufting Machine, and Embossed Work.
- 1 Stamer, W. H., 420 Folsom street.....Water Gauge
- 36 Standard Shaving Mug Co., 11 Sutter street.....Decorated China Mugs
- 40 Standard Soap Co., 525 Market street.....Soaps, Perfumery, Glycerine and Candles.

Class.

- 19 Staples, Mrs. L., 223 O'Farrell street Harmony Instructor
- 21 Starbird, A. W., 101 Market st. Fine Redwood Veneered Office Desk
- 39 Stateler, J. W., 957 Market street Photographic Views and Landscapes
- 34 Steiner, Emma, 918 Eddy street Hand Crochet Flounce
- 5 Stratton, S., 14 Eighth street Carpet Cleaning and Renovating
- 25 Street, C. H., 319 Pine street Raw Silk
- 45 Stryker, Miss, Pescadero... Mosses, Shells, etc.
- 20 Studebaker Bros.. Main and Market streets Imported Carriages and Sleigh.
- 16 Tait, A. J., Oakland Electric Water Purifier
- 1-4-24-40 Tatum & Bowen, 34 Fremont street Albany Lubricating Compound, Saw-mill Machinery, Belting and Gas Engine.
- 13 Taylor, Adams & Pritchard, 12 Market street Cast Iron Ranges Steel Ranges, Stoves, Broilers, etc.
- 40 Taylor, Mason & Co., 112 Front street ... General Display of Leads, Paints, Varnishes and Oils—California Manufacture.
- 29 Thompson-Houston Electric Co. Dynamo, Railway Motor, Dynamo-Motor, Ribbon-feed Arc Lamps and Fan Motors.
- 41-44 Tilman & Bendel, 313 Battery street Huckins' Soups and Sandwich Meats, and Baltz Clymer's Cigars.
- 19 Todd Manufacturing Co., 213 Mission street Todd's Banjos
- 1 Topping, Geo. W. Working Model of Locomotive
- 41 Townsend, W. S., 627 Market street California Glacé Fruits, and Display of Candy and its Manufacture.
- 31 Treadwell, Dr., 1504 Market street Display of Human Teeth
- 19 Unger, Cress, 26 Montgomery street Banjos
- 1-12-13 Union Iron Works Compound Vertical Engine, Link-motion for U. S. Cruiser, No. 6; Propeller Blade (Manganese Bronze); Crank Shaft Bearing (Phosphor Bronze); Finished Steel, Forgings, Galvanized Forgings and Copper Ventilators for U. S. S. Monterey.
- 20 Varney, T. H. B., 1041 Market street Warwick Bicycles
- 34 Vestey, Mrs. E., 11 Mason street Point Lacework, Skeleton Leaves, Sea Moss and Dry Flowers.
- 34 Vetterli, Mrs. A. M., 612 Pine street Knitted Bed-spread
- 4-5 Vulcan Iron Works, 135 Fremont street Ice-making Machinery and Refrigerator; Saw-mill Head-blocks and Set-works, Gang-edger and Device for Transporting Ores.
- 20-23 Wadman, W. B., 2004 Market street Advertising Chariot and Family Butter Case.
- 39 Wahlstadt, P. P. Portrait
- 21 Wallis & Theisen, 1334 Mission street Adjustable Window-screen and Shade; and Green's Curtain Pole Hanger.

Class.

- 39 Watkins, C. E., 425 Montgomery street..... Photographic Views
 19 Wells, Geo. F., 1360 Market street..... Mathushek Pianos
 11 Wenzel, Geo. L., 309 Fulton street..... Raisin-stemmer, Apple-crusher
 and Wine-press.
 42-46 Wetmore, C. A., 8 New Montgomery street... .. California Wines
 and Olive Oil.
 34 Wettman, A. L., 1425 Howard street One Quilt
 8 White, Captain Russell, 106 Jessie street Chemical Fire Engine
 32 Whitman, Russell, 537 Market street..... Aluminum Goods
 34 Wieland, Miss Rosa, Oakland Child's Dress and Silk Embroidery
 17 Williams, J. B. & Co., 1175 Market street Fire Clay and Sand
 5 Willis, M. E., 2009 Howard street Patent Safety Fare Box and
 Change Gate.
 23 Woerner, David, Main street. Wine Barrels and Casks
 38 Wolff, J. E., 1134 Howard street..... Mechanical Drawing
 41 Wolff, J. Mercantile Co., 309 Front street Royal Dutch Cocoa,
 Catsup, Pickles, etc.
 46 Wolfskill, J. R., Winters, Yolo county..... Olive Oil
 42 Women's Christian Temperance Union Temperance Tracts
 6 Woodbury, G. E., 213 First street Ore Concentrators
 30 Woodhouse, J. J., 1428 Twenty-first street..... Optical Goods
 38 World's Fair Magazine Co., 75 Flood Building Plans and
 Sketches of California Buildings for World's Fair, 1893.
 11 Worth, W. H., Petaluma..... Model of Continuous-Pressure Hydraulic
 Wine Press.
 19 Zander, Leo, 209 Sansome street..... Music Boxes and Musical Novelties

CATALOGUE

OF THE

ART DEPARTMENT.

OIL PAINTINGS.

THE HASELTINE COLLECTION

From his Philadelphia Galleries.

Title.	Artist.
Deciding by the Marguerite.....	Nardi, Rome
Lost and Won.....	Massani, Florence
Sharing with Grandfather.....	Constantini, Rome
The Stufia Room in the Pitti Palace, showing the Statue of Cain..	Costa, Florence
The Caravan.....	Frère, deceased
The Meet.....	Pittara, Paris
Humble Labor in a Holland Home.....	De La Mar, Paris
A Coming Storm in the Campagna.....	Gioja, Rome
The Pleasant Hours of Long Ago.....	Dansaert, Paris
Tending the Flock.....	De Beul, Brussels
Souvenir of Capri.....	Campriani, Rome
Soldiers Gambling.....	Gaisser, Munich
Leaving Home ..	Guinea, Rome
Theresa.....	Ebert, Vienna
Grandmother's Visit ..	Weisz, Paris
Not at Home.....	Lazerges, deceased
Bessie.....	Degrave, Paris
The Standard of the Queen.....	Spiridon, Paris
The Visit to the Fortune Teller.....	Eggena, Munich
Happy Hours of Childhood.....	Baron, deceased
In the Summer by the Sea.....	Coessin De La Fosse, Paris
Watering Horses in the Seine.....	Pittara, Paris
Patience.....	Tamburini, Florence
The Foster Child's Return ..	Plassan, Paris

Title.	Artist.
A Windy Day at Treport.....	Noel, Paris
The Countess.....	Berard, Paris
A Flemish Home.....	De Block, Brussels
The Favorite Page.....	Shaeffels, Antwerp
The Reverie.....	Duez, Paris
Paying Calls.....	Beranger, deceased
Sweet Sixteen.....	Semenowsky, Paris
Smugglers Approaching the Coast.....	Isabey, deceased
On the Seine at Grenouillere.....	Corrodi, Rome
The Reception of the Duchess.....	De Beaumont, Paris
A Winter Day near Scheviningen.....	Schelfhout, deceased
Georgian Soldiers Awaiting their Chief.....	Szerner, Paris
A Holland Ferry Boat.....	Van Der Vin, The Hague
Venice.....	Bunner, Venice
The Market Place, Old Brussels.....	Lesrel, Paris
Morning Service.....	Heyermans, Munich
A Halt at the Well.....	Szerner, Munich
At the Photographer's.....	Saintin, Paris
An Important Missive.....	Becker, Berlin
The Mother Bird.....	Guillemin, deceased
Awaiting a Chance.....	Marchetti, Paris
Days of Gladness.....	Perrault, Paris
Halt of Chasseurs.....	Swebach, deceased
On Guard.....	Randinini, Rome
The Interesting Book.....	Stevens, Paris and Brussels
The Young Countess.....	Schachinger, Munich
Old Friends.....	Troyon, deceased
Ophelia Found.....	Bertrand, deceased
The Young Autocrat.....	Brion, deceased
The Good-Bye.....	Pinchart, Paris
Corinne.....	Falero, Paris
Italian Soldiers on the March—double quick.....	Marchetti, Paris
The Toilet of Venus.....	Perrault, Paris
Old Mill on Fall Brook.....	Lewis, Philadelphia
The Charge.....	Beauquesne, Paris
The Reception.....	Spinetti, Rome
The Woodchopper's Dinner.....	Lasalle, Paris
Classic Days.....	Aldi, Paris
Yum Yum.....	Maccari, Rome
The Finished Meal.....	Lugo, Florence
Preparing Dinner.....	Lugo, Florence
The Little Goose Boy.....	Lasalle, deceased
The Beautiful Rosalie.....	Semenowsky, Paris
A Study of Graziella.....	Lefebvre, Paris

Title.	Artist.
A Gay Cavalier.....	Constantini, Rome
A Woman of Damascus going for Water.....	Lazerges, deceased
Leaving the Cathedral	Marchetti, Paris
Espionage,.....	Berne-Bellecour, Paris
The Young Mother.....	Jourdan, Paris
The Surprise	Piot-Normand, Paris
A Sabbath Afternoon in October	Hawkins, London
The Balloon Ascension... ..	Corcos, Paris
A Winter Evening on the Holland Coast.....	Gegerfelt, Paris
Keep your Distance.....	Ingami, Rome
The Land of Music and Song.....	Ballessio, Rome
A Windy Day on the French Coast.....	Vernier, Paris
The Fortune Teller.....	Baron
At the Chateau.....	Atalaya, Paris
The Bridal Party.....	Atalaya, Paris
Childhood's Happy Hours.....	Willems, Brussels
The Favorite.....	" "
A Royal Beauty.....	" "
The Conqueror of the Cross-Bowmen.	" "
In the Fields near Rouen	Richet, Paris
Spanish Men-at-Arms.....	Marchetti, Paris
Receiving the Cardinal on Monte Pincio.....	Aureli, Rome
Venice in the Time of the Doges.....	" "
By the Seaside	Tofano, Paris
The Love Letter.....	Jourdan, deceased
Neglecting Business.....	Andreotti, Bologna
A Visit to the Studio.....	Brillouin, Paris
The Timid Voyager.....	Rossi, Paris
Reconciliation and Declaration.....	" "
What Shall I Say?.....	Boutibonne, Paris
Deep Sea Fishing	Guillou, Paris
Neighbors and Friends	Veyrassat, Paris
A Holstein.....	Voltz, Munich
Expectancy	Gerard, Brussels
The First-Born.....	Detti, Paris
The First Love-Letter.....	Munier, Paris
A Woman of Bethlehem.....	Landelle, deceased
Feeding Pigeons on the Grand Square at Venice.	Pascutti, Paris
Only a Penny, Sir.....	De Coninck, Paris
The Rivals... ..	Gioja, Rome
Preparing for the Reception.....	Corradiui, Rome
Good Wine	Massani, Florence
Prepared for the Reception.....	Polidori, Rome
The Grandfather's Visit.....	Rosati, Rome

Title.	Artist.
The Painter Musician	Marchesio, Florence
A Winter Sunrise.....	Donat, Brussels
European Oysters.....	Bellis, Brussels
A Night Market in Haarlem....	Kerremans, The Hague
A Soldier of Fortune.....	Lesrel, Paris
Gathering Wild Flowers.....	" "
My Lady's Letter.....	Spinetti, Rome
Swedish Man-of-War Passing through a Fishing Fleet in the North Sea	Sillen, Stockholm
Striking a Bargain.....	Segni, Rome
The New Magazine	Montfallet, Paris
The Milliner.....	Fredericks, New York
Gathered Treasures.....	Vollon, Paris
At the Bath.	Bargue, deceased
Friends or Foes.....	Braith, Munich
Watching and Waiting.....	Lematte, Paris
On the Banks of the Rhine.....	Hoffman, Munich
The Pigeons of Venice.....	Villegas, Rome
Summer Lessons.....	Egusquiza, Paris
Oblivious of Time	" "
The Engaging Book.....	Plassan, Paris
The Dawn Lifting the Veil of Darkness from the Earth	Bertrand, deceased
On the Sandy Shore.....	Richards, Philadelphia
Landscape in France—with Cattle.....	Thompson, Paris
The Children's Frolic.....	Keyser, Munich
The Well at Ghent, in the Olden Time.....	Lesrel, Paris
A French Café in the Olden Time.	Fichel, Paris
Inspiration.....	Rossi, Paris
Oriental Musicians.	Benlluir, Rome
Early Morning in the Harvest Field	Veyrassat, Paris
Near Marly.....	Munger, London
Scene near Bougival.....	Munger, London
Undecided.....	Gabrini, Rome
La Source.....	Garcia-Mencia, Paris
Love's Token.....	Andreotti, Bologna
The Widow's Story.....	Hubner, deceased
Visitors at Venice.....	Cervi, Rome
In the Fields of Holland.....	Van Leemputten, Brussels
August Morning on the Seine	Daubigny, deceased
A Servant of Lucullus.....	Lecomte-du-Nouy, Paris
A Holland Home.....	De Noter, Brussels
Place de l'Opera..	Beraud, Paris
Idle Moments.....	Comte, Paris
Soldiers after a Carousal	Comte, Paris

Title.	Artist.
Fisherwomen on the Coast of France.....	Billet, Paris
Scene in the Holy Land.....	Billet, Paris
Old Mill in Holland.....	Jongkind, deceased
A Windy Day off Ostend Pier.....	Weber, Paris
Sunset near Ostia.....	Haseltine, Rome
Narragansett.....	Wm. Stanley, Rome
A Moment's Slumber.....	Palmaroli, Paris
Midday on the Naples Coast.....	Galofre, Venice
The Bird's Breakfast.....	De Vaux, Paris
The Spelling Lesson.....	De Vaux, Paris
Selling Fruit in the Streets of Murcia.....	Girardet, Paris
A Full Meal.....	Muzzioli, Florence
Marie.....	Papperitz, deceased
The Master's Letters.....	Schlesinger, Paris
Saturday Nights at Leyden.....	Van Schendel, deceased
Night Market at Leyden.....	Van Schendel, deceased
A Happy Family.....	De Beul, Brussels
The Quartette.....	Mouchot
Beaching.....	Damschroeder, The Hague
In the Stable.....	Boogaard
The Summit of the Rockies.....	Gookins

From the Collection of Col. James Fairman, M. A.

Morning at Niagara.....	Jas. Fairman, M. A.
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GENERAL COLLECTION.

OIL PAINTINGS.

Title.	Artist.
Breaking Wave.....	S. H. Mason
Cattle.....	E. Wytenback
Secret of the Forest.....	G. Papperitz
Peaches.....	Eugene Taniere
California Fruit.....	M. Straus
California Fruit.....	Mrs. Helen A. Fitch
Vegetables.....	Eugene Taniere
Running Before a Squall off Cape Horn.....	H. R. Dietz
Clingstone Peaches.....	Emily A. Miller
Friday Diet.....	M. Straus
Chrysanthemums.....	el M. Hey

Title.	Artist.
Head.....	Cecil Romer
Friends	G. Papperitz
Pansies (on glass).....	Miss E. Heron
An Italian Girl.....	Nellie Hatch
An African (from life).....	Kate Chandler Thompson
La France Roses.....	Kate Lucille Young
Grapes.....	Mrs. M. J. Nunan
An American Girl.....	Nellie Hatch
Pansies.....	Kate L. Young
Nectarines.....	Emily A. Miller
Gold of Ophir Roses.....	Emily A. Miller
Lilacs.....	Eugene Tanriere
Maréchal Neil and La France Roses.....	Miss Emma Quirk
Chrysanthemums.....	Miss Emma Quirk
Tea and La France Roses.....	Miss Emma Quirk
A Study... ..	Mrs. M. J. Nunan
La France Roses.....	Mrs. H. F. Bulson
Roses	J. A. Mason
Little Sunshine	Harriette M. Sherwood
Quail.....	Cecil Romer
Still Life.....	Mrs. H. S. Melnish, née Eavor
Moss Beach, Monterey.....	R. D. Yelland
Chrysanthemums.....	Alice B. Chittenden
Lilacs.....	Mrs. F. W. Shalike
Wallflowers	Alice B. Chittenden
Columbia River	R. D. Yelland
La Marque Roses.....	Alice B. Chittenden
Lilacs.....	Alice B. Chittenden
Peaches.....	Cecil Romer
Grapes.....	Cecil Romer
Fruit.....	Mrs. H. F. Boulson
Roses.....	Mrs. E. Hodgkins
The Bachelor at Home.....	Henry Alexander
Paul and Virginia.....	Henry Alexander
The Letter Home.....	Henry Alexander
China Tea House.....	Henry Alexander
In the Laboratory.....	Henry Alexander
A Lesson in Gunnery.....	Henry Alexander
Falling Leaves.....	Henry Alexander
The Last Token.....	Henry Alexander
At the Fountain.....	Henry Alexander
An Innocent Battle.....	Henry Alexander
In Japan.....	Henry Alexander
Canal Santa Marta, Venice.....	Henry Alexander

Title.	Artist.
Sweet Idleness.....	Miss S. Newman
The Gossips.....	Miss S. Newman
War Reminiscence.....	Miss S. Newman
Pansies.....	Alice B. Chittenden
Old Mill, Dorductt.....	R. D. Yelland
Oranges.....	Mrs. Helen A. Fitch
Gyp.....	J. D. Larpenteur
Jet.....	J. D. Larpenteur
Lilacs.....	Alice M. Leveque
How Happy Could I be With Either !.....	Cecil Romer
The Three Graces..	Cecil Romer
The Review.....	Cecil Romer
La France Roses..	Miss Gulla M. Scanlin
Portrait.....	Eugene Taniere
Mynheer Van Dauch.....	J. H. E. Partington
Cling Peaches.....	N. S. Sanborn
Interior of Studio.....	N. S. Sanborn
Cherries.....	Eugene Taniere
Portrait.....	Cecil Romer
We Old Folks..	Cecil Romer
A Glass of Tinted Water.....	Cecil Romer
Roses.....	Miss Bertie Pidaucet
Violets.....	Miss Gulla M. Scanlin
My Back Yard.....	Isabel M. Hey
Pine Apple from Nature.....	Mrs. M. J. Nunan
Moving Camp....	J. J. Rorphuro
Composed and painted by J. J. Rorphuro, the "Cowboy Artist." Artist born in Alsace, 1861; began sketching at age of six; came to this country in 1874; at age of seventeen followed cattle to Black Hills, and led the life of a cow- boy for ten years thereafter in Wyoming, Montana, Nebraska, Texas, Kansas and Indian Territory.	
Protecting the Flag	A. E. Sondag
Protecting the Cannon.....	A. E. Sondag
Night.....	Alice M. Leveque
The Race.....	T. Carabain
Portrait.....	J. H. E. Partington.
Poppies.....	Miss E. Heron
Chrysanthemums.....	Miss E. Heron
California Oranges.....	Isabel M. Hey
Still Life.....	Kate C. Thompson
Fruit.....	Mrs. H. F. Bulson
Lilacs.....	Miss Emily A. Miller
Study of Apples.....	Mrs. D. W. Gelwicks
Oranges.....	Emily A. Miller
Psyche.....	Miss E. G. Sawtelle

Title.	Artist.
Spot.....	Olivia Kingsland
Salmon Trout.....	Gulla M. Scanlin
Game.....	Gulla M. Scanlin
Game.....	N. L. Sanborn
A Bit of Fairlawn.....	Olivia Kingsland
Melon.....	N. L. Sanborn
Portrait.....	Mrs. Helen Ward
Flowers.....	Mrs F. W. Schalike
Marie Louise Perin.....	Miss M. Oviatt
Mexican Morning Glories.....	Miss Emily Miller
Good-Bye.....	Mrs. H. S. Mellnish, née Favor
Oil Painting on Velvet.....	Mary Johnson
Oil Painting on Velvet.....	Mary Johnson
Oil Painting on Velvet.....	Mary Johnson
Romeo and Juliet.....	Miss Emily M. Dumont
California Poppies.....	Miss Lizzie Mackaye
Jug of Roses.....	Cecil Romer
Snowballs.....	Eugene Taniere
Eastern Wild Flowers.....	Kate C. Thompson
Stamboul.....	D. H. Woods
Basket of Pinks.....	Mrs. H. F. Bulson
Tropical Fruit.....	Mrs. M. J. Nunan
Basket of Cherries.....	Mrs. F. W. Schalike
Barefoot Boy.....	Gulla M. Scanlin
Barefoot Girl.....	Gulla M. Scanlin
Pansies.....	Oniska Fiske
Portrait of Rev. W. W. Case, D. D.....	A. Hart
Grapes.....	Gulla M. Scanlin
Oranges.....	Gulla M. Scanlin
Mixed Fruit.....	Miss Marcella McCormick
Tamer.....	Minnie Luce Hatch
Artist Falls, White Mountains.....	Oniska Fiske
Poppies.....	Miss Emily Miller
Portrait.....	Miss M. A. Edwards
Carmel Mission, Monterey.....	Louise Bruner
Wild Flowers.....	Mrs. H. F. Bulson
The Kitchen Boy.....	Eugene Taniere
Deer.....	B. Miller
First Smoke.....	Minnie L. Hatch
Painted Mirror.....	Miss E. Heron

WATER COLORS.

Title.	Artist.
Loss of the Elizabeth.....	H. R. Hopps
Proposed Cathedral.....	H. G. Hamada
A Study of Flowers.....	Mrs. D. W. Gelwicks
A Study of Flowers.....	Mrs. D. W. Gelwicks
Los Gatos Creek.....	Mira M. Mahoney
Early Almond Blossoms.....	Mira M. Mahoney
Pansies.....	Kate L. Young
Proposed Residence.....	H. G. Hamada
Marine Sunset.....	Kate L. Young
Oakland Water Front.....	Mrs. D. W. Gelwicks
Going Up Frazer River, 1858.....	Geo. H. Burgess
The Beach near Fort Point.....	Geo. H. Burgess
Autumn Leaves.....	N. L. Sanborn
A Peep at Tamalpias from Lake Temescal.....	R. Langtry Partington
Mount Tamalpias in Summer Mist—from Lake Temescal..	J. H. E. Partington
La France Roses.....	N. L. Sanborn
Honest Toil.....	H. R. Hopps
From Point Lobos.....	Geo. H. Burgess
Lake Temescal.....	R. Langtry Partington
Old Farm House, Revere, Mass.....	Kate C. Thompson
The Old Mine.....	A. P. Niles
April Day.....	A. P. Niles
Spring in the Cañon.....	A. P. Niles
Summer Day.....	A. P. Niles
The Summit Lake (Etching).....	A. P. Niles
Mountain Road (Etching).....	A. P. Niles
Forbes' Mill, Los Gatos.....	Mira M. Mahoney
Beating Down Pablo.....	H. R. Hopps
Carp.....	Francis E. Kano
The Oyster Fisher.....	Miss Roe Callen
Sweetness of My Hand.....	Francis E. Kano
Camp on Frazer River, 1858.....	Geo. H. Burgess
The Bay of San Francisco (from the hills of Temescal)...	R. L. Partington
Fanny Davenport.....	Geo. H. Burgess
Portrait.....	Geo. H. Burgess
Ravine at Berkeley.....	T. C. Boyd
Mountain Meadow, Plumas County.....	T. C. Boyd
A Woodland Lake in Temescal.....	J. H. E. Partington
An Old Fireplace.....	Kate C. Thompson
Truckee River.....	Geo. H. Burgess
Seal Rocks.....	Mira M. Mahoney
Portrait.....	Geo. H. Burgess

Title.	Artist.
From Broadway Dock.....	T. C. Boyd
A Group of Fragrance	Francis E. Kano
Scene on Wolf Creek, Plumas Co.....	N. L. Sanborn
Twin Lakes, Cal. (oil).....	N. L. Sanborn
North and South Domes, Yosemite Valley.....	Geo. H. Burgess
An Unhappy	Francis E. Kano
Los Gatos Creek in Spring.....	Miss Mira M. Mahoney

STATUARY.

Rock of Ages.....	Frederick Flohr
Bust of Sutro.....	Kühne Beveridge
Study of Head.....	Kühne Beveridge
Grizzly Bear.....	R. Schmid
Germania.....	R. Schmid
Columbia.....	R. Schmid
James Lick.....	R. Schmid
Dr. Ferrar—Portrait Bust in Marble.....	R. Schmid
Nicholas Luning—Portrait Bust in Marble.....	R. Schmid
Indian.....	R. Schmid
Marie Antoinette.....	R. Schmid
Sketch for Columbus Fountain.....	R. Schmid
Sketch for a Fountain.....	R. Schmid
Panel for German Savings Bank.....	R. Schmid
Group—Miner, Farmer and Indian.....	R. Schmid
Models for German Savings Bank.....	R. Schmid
Angel for Larkin Monument	R. Schmid
Sketch for Larkin Monument.....	R. Schmid
Group for Hall of Records ..	R. Schmid
King Kalakaua.....	R. Schmid
Iza	R. Schmid
General Vallejo.....	R. Schmid

Report of the Committees of Awards
UPON THE
VARIOUS ARTICLES EXHIBITED
AT THE
Twenty-Sixth Industrial Exposition.

THE recommendations of the Jurors as to what the premiums should be have been omitted from the Reports; the awards, as given by the Board of Managers, are made in accordance with the Premium List, except where specially mentioned. In a few instances meritorious articles were unintentionally overlooked or omitted by the Committees in their examination. *Such cases were considered by the managers, and will be found in the proper Class. ALL awards, either Medals or Diplomas, are FIRST PREMIUMS, no second-best being given. A star (*) indicates that the articles were for Exhibition only.

DIVISION I.
MANUFACTURED PRODUCTS—MACHINERY.

CLASS No. 1.

Engines, Boilers and Appliances.

To the President and Board of Managers of the Twenty-sixth Industrial Exposition:

GENTLEMEN:—We herewith present our report on the large and varied Exhibits presented in Classes 1 to 10 for our examination and recommendation for awards.

A request was sent to all exhibitors to send to the Secretary of the Committee a detailed description of their exhibits, which in many cases was not complied with; consequently, the Committee have been unable to give such details as would have been desirable as well as interesting.

AMERICAN BALANCE SLIDE-VALVE COMPANY—American Automatic Steam-balanced Piston.

The subject of supporting the pistons in the cylinders of horizontal engines, to prevent the friction and *excessive wear* on the bottom of the cylinders, has not, perhaps, received as much careful study by mechanics as many improvements in other directions. At the same time the great economy and many advantages to be derived by supporting the pistons is well known to mechanics. Not a few devices have been tried on large engines where the great weight of the pistons compelled the designers to adopt some means for their support. The devices used in such cases have always contained many undesirable features which have prevented them from coming into general use. The American Automatic Steam-balanced Piston is claimed to have successfully overcome all the disadvantages mentioned above. It supports the piston by steam pressure, and is claimed to relieve the friction of the piston in the cylinder, and to prevent the excessive wear of the piston and bottom of the cylinder.

The great objection to the Slide-valve for steam engines has always been the excessive pressure to which the valve is subjected while performing its work. The rapid and uneven wear of the valve, its seat, and the connecting machinery, and the power required to operate the valve under this excessive pressure, is well known to mechanics. The American Balance Slide-valve is offered with the full assurance that this objection has been fully overcome. The resulting conditions show a great saving in fuel and lubrication; and the friction and wearing of the attendant machinery is reduced.

Grand Bronze Medal for both.

JOHN MAILER—Furnace Door Lining and Grate Bar.

Mr. Mailer has given so much study and attention to his specialties, and has succeeded so well, that anything which we could say would be merely a reiteration of what every one says that have used them: "They are the best."

W. H. STAMER—Water Gauge.

Diploma.

GEO. W. TOPPING—Working Model of Locomotive.

This fine specimen of workmanship was complete in every particular, and the young man who constructed the same deserves credit for his skillful handiwork.

Grand Bronze Medal.

M. A. GRAHAM—"Oriental" Gas Engine.

The "Oriental" Gas Engine is built of two patterns—the Single and Double cylinder. Both are single acting, or receive their impulse from one end of the cylinder only, igniting on every alternate stroke and compressing on the intermediate stroke in the single cylinder. In the double cylinder, the cranks being on the same plane the pistons consequently move together, but receive their propulsion alternately, one piston compressing while the other is receiving the impulse. Hence, there is an explosion at every revolution of the crank, which saves the necessity of having heavy fly-wheels in this type of engine.

Gas Engines are essentially alike in action, but differ greatly in detail. The vital point in all gas engines consists in the igniting apparatus. Other things being equal, the one employing the best igniting device can lay claim to being the best engine. This engine ignites by an electric spark which is produced by a rotary-pole within the cylinder, making contact at every revolution and producing a wiping movement, the construction rendering it durable and positive in its action. This movement also keeps the electrodes bright, this being of importance, as the corrosive action of the gases within the cylinder are very great, and without this abrasive movement the electrodes would become so corroded that it would be impossible to produce a spark. The electrodes are also very durable. For a governor the "Pickering" is employed. This governor acts upon the valve, admitting the gas to the cylinder after the proper proportions of gas and air have been obtained, consequently regulating the quantity of gas according to the work being performed. The other novel parts of the engine are the exhaust valve gearing, and the means of operating the rotary electrode or pole, both of which consist of direct and simple movements. The exhaust valves are water jacketed. The general design is attractive and the workmanship commendable. Bronze Medal.

THE UNION IRON WORKS exhibited the following-described articles, from their extensive works at the Potrero:

Engine.—The Vertical Compound Engine on exhibition is built to run the circulating pump of the battle-ship "Oregon." The same type of engine is used to run the dynamos for the electric lighting throughout the ship. The cylinders are $6\frac{1}{2}$ inch and $12 \times 6\frac{1}{2}$ inch stroke, at an angle of 22 degrees with respect to each other, and 6 inches between centers of crank pins, the cranks being placed opposite each other. At 500 revolutions per minute they have registered 50-horse power.

It is claimed that the great success of the engine lies in the fact of its being so compact and so perfectly balanced that all vibration is avoided. The Bureau of Steam Engineering of the U. S. Navy report that this engine, with the Union Iron Works Governor attached, has given the best results and the steadiest light of any yet put aboard the new war-ships.

Link Motion.—The Link Motion exhibited is for Cruiser No. 6, and designed with a view of securing the least possible weight and to retain the requisite strength. The links and eccentric rods are made of forged steel, 68,000 pounds tensile strength. The eccentric strap is of phosphor bronze, lined with Parsons' white metal, forced in under an hydraulic pressure of 16 tons per square inch, then bored to secure a hard and perfect wearing surface.

Propeller Blade.—The Propeller Blade exhibited is one to be used for the Coast Defense vessel "Monterey." There are two screws, and three blades to each screw. It is made of manganese bronze, with a tensile strength of 42,000 pounds, while the weight of the blade is 1,420 pounds.

Crank-shaft Bearing.—The Crank-shaft Bearing is designed for the main engines of Cruiser No. 6, made of phosphor bronze of 46,000 pounds tensile strength, lined with Parsons' white metal, forced in by an hydraulic pressure of 16 tons per square inch.

Several other interesting exhibits were included in the display, notably specimens of copper work shown in ventilator pipes and openings.

The display is deserving of the highest commendation, and is awarded

Gold Medal.

C. B. JOHNSON & Co.—Magnesia Sectional Covering for Boilers, Steam Pipes, etc.

The necessity from the standpoint of economy of covering the exposed surfaces of boilers, steam pipes, etc., is becoming more and more evident, as steam users learn to appreciate the great loss and risk they incur by the heat radiated from uncovered pipes, etc. We have examined this covering thoroughly, and are of the opinion that it is exceptionally meritorious, being light, strong and an almost perfect non-conductor. The method of applying it is also exceedingly simple, no skilled labor being required.

Bronze Medal.

TATUM & BOWEN—Automatic Expansion Gas, or Gasoline Engine.

The principle upon which this engine works is claimed to be entirely original. The operation is as follows:

First. Drawing into the motor cylinder a mixture of gas and air by the outward stroke of the motor piston, the same compressing one-half of the charge into an auxiliary receiver, which is proportioned to raise its pressure and also the half remaining in the cylinder to five pounds above the atmosphere. The first half of this stroke being completed the admission valve is shut, and the half of the entire charge compressed in the receiver is detained there and the half remaining in the cylinder is compressed therein by the remaining portion of the stroke of the motor piston. The commencement of this stroke marks the time for ignition; and upon this taking place the ignited mixture expands, doing actual work in driving the motor piston.

Second. The object of the arrangement of the cylinder is claimed to reduce the weight, friction and bulk. They act alternately, and this secures an impulse for every revolution of the crank.

Third. The igniter consists of a reciprocating stem, on the end of which is a hook which engages with the projecting end of a wire spring; and, upon its receding, the wire is released with a snap.

The principal advantages claimed are a rubbing contact of the electrodes, thereby insuring clean, bright surfaces and a reliable contact. The high velocity with which the contact-breaking arc is made gives a more powerful spark than simple contact. The point of ignition is claimed to be independent of the position of the piston.

Grand Bronze Medal.

ADAM SCHILLING & SONS—Golden Gate Gas Engine.

The engine is provided with positive inlet valves so proportioned as to admit the proper quantity of gas and air to the cylinder, whether the charge be large or small. The valves are placed in the cylinder head, and all gas and air passing is in the cylinder ready to fire at once. These positive distributing valves do away with all hand regulating, and renders the operation automatic. A complete regulator is attached to the inlet valves, which opens or shuts them as required, to maintain a steady speed and power. The igniting apparatus is simple and substantial; any part can be removed without breaking joints of any kind, and is adjustable from the outside.

Silver Medal.

JOSHUA HENDY MACHINE WORKS—Automatic Slide-valve Engine (Russell's).

This engine is of strong and simple design and was used in running a dynamo where steady reliable work is a prime requisite. Silver Medal.

ADAM MEYER—Working Model of "Reversible Eccentric." Diploma.

A. E. B. MARTIN—Martin's Steam Boiler Purger.

The title of this invention may be perfectly appropriate and the material itself effective in action, but your committee having had no personal experience with it are unable to give a very definite opinion as to its merits. The lady exhibitor, however, claims that the Purger is all that a purger should be, and that it does all those things that a purger should do, and none of those things which would overstep the prerogatives of a purger.

Diploma.

PHILIP S. BAKER—Complete Model of a 15-Horse Power Traction Engine.

Though made of paper this model showed much ingenuity, patience and skill. Silver Medal.

CLASS No. 2.

Hydraulic Machinery and Steam Pumps.

DOW STEAM PUMP WORKS—Steam Pumps, Direct and Double Acting.

As on other occasions, Mr. Dow had a large and interesting exhibit, showing in design and action the highest order of inventive and engineering skill and thorough workmanship. In the list were seven sizes Standard Boiler Feed Pumps; one (size K) Tank Pump; one Miners' Sinking Pump; one Duplex Outside Packed Plunger Mining Pump; one Deep Well Pump; two Three-plunger Power Pumps manufactured exclusively for the U. S. Cruiser now building at the Union Iron Works; six Combined Air and Circulating Pumps, and two Boiler Feed Pumps.

For Best General Display,

Gold Medal.

J. W. PACK—The Pack Water Wheel, for Sewing Machines and small Machinery.

The bearings in this wheel being on two center points, the friction is reduced to a minimum. The force of the water striking on the lower side of the wheel tends to lift the weight of the wheel from the lower bearing, also reducing the friction. The constant supply of water on the lower bearing acts as a lubricator in this bearing. It is claimed that the force of the water, striking the wheel at four different points, a smaller amount of water is required to accomplish the same results. Diploma.

THE PELTON WATER WHEEL COMPANY—Pelton Water Wheels, Motors and Wheel Governors.

The Pelton Water Wheel is a wheel for utilizing water powers under medium and high falls. There are no parts subject to undue wear, or liable to get out of order and cause trouble. It is claimed to develop upwards of 85 per cent of the theoretical power of the water under all ordinary conditions; and by the adaptation of different sized nozzles the power and the amount of water can be varied without any loss in efficiency to speak of. They are in use under heads of from 30 to 1600 feet.

The smaller wheels, called motors, manufactured by this Company are on the same general principles as the larger wheels, but are inclosed in cast-iron cases and intended more particularly for use in connection with the City Water Works system, taking water from street mains for running all classes of light machinery.

There is a growing demand for these wheels. The Company's business has increased to such an extent that they have found it necessary to open a branch on the Atlantic Coast to supply the eastern and foreign trade. They are now manufacturing their wheels and motors in New York as well as in this city. This is a Californian invention. Silver Medal.

RISDON IRON AND LOCOMOTIVE WORKS—Steam Pumps.

Davidson Steam Pump.—The peculiarity of the steam end of this pump is that, unlike other direct-acting steam pumps, it has only one valve in the steam chest. This may be properly called a compound slide-valve with a cylindrical face. It performs two duties—that of the ordinary slide-valve and of the auxiliary-valve combined. Its duty as a slide-valve is, of course, to reciprocate across the steam ports, to admit steam alternately to the two ends of the steam cylinder; and, as an auxiliary-valve, it is to oscillate so as to open and close the steam ports that lead to the ends of the steam chest.

The steam chest is cylindrical, and is bored out to make a face for the slide-valve and receive the pistons that assist in operating the valve. The pistons are connected together, sufficient space being allowed between them for the valve and steam ports. They are also connected to the slide-valve, all working in the same plane and being of the same diameter, thus ensuring evenness of wear and readiness of access for adjustment, repairs, etc.

The valve is oscillated by an oblique cam, connected to the valve by a steel pin passing through the valve into the exhaust port in which the cam is placed, and the moving it does not depend entirely upon the steam admitted to the end of the valve piston. Bronze Medal.

The Marsh Steam Pump.—This pump is designed to fill a noticeable want of engine builders and steam users for a reliable, economical and efficient boiler-feeder. The steam valve is made of brass; and, though nicely fitted, moves freely in the central bore of the steam chest. It has no mechanical connection with other moving parts of the pump, but is actuated to admit, cut off, and release the steam by live currents which alternate with the reciprocation of the steam piston. Each end of the valve is made to fit the enlarged bore of the chest; and it is due to these enlarged valve-heads, which present differential areas to the action of steam, and the perfect freedom of the valve to move without hindrance from other mechanical arrangements or parts, that the flow of steam into the pump is automatically regulated. The steam valve does not require setting. It has no dead center, and will always start. Silver Medal.

The Murray Pump.—This pump is simple in construction, and so made that it does not readily get out of order. The valves are operated by a crank shaft and are constructed to discharge the greatest amount of water. It is adapted for orchards, vineyards, farms, and all agricultural wants.

M. A. GRAHAM—The Richmann Pump.

This Pump can be operated independently of the engine. An intelligent description of this pump will be somewhat difficult without a drawing, but it is of the rotary pattern. It has some very important features, entirely new in this style of pump, and may be described as follows:

The Pump consists of a rotary piston placed eccentrically to the case in which it revolves, the piston having two or more sliding valves. Notwithstanding the piston is set eccentrically or out of center of the casing, these pistons follow the inside periphery of the case, thus producing a sliding movement within the rotary piston. The outer ends or periphery of these valves is furnished with an oscillating or rocking movement which allows them at all points of the eccentric circle to make the same circumferential contact, thus forming a perfect packing and even wearing surface, the same as if the rotating piston was placed in the center of the case instead of eccentrically. These valves are held central with the casing of the pump by links or stirrups through which a pin extending from center of cover passes. This pump is especially adapted for air compressing or vacuum purposes, their weight being a fraction of the ordinary piston compressors, and the power to operate them being proportionately less.

CLASS No. 3.**Machinists' Tools and Metal Working Machinery.****CALIFORNIA BELLOWS MANUFACTURING COMPANY—**

This firm made a large and interesting exhibit, from the large forge to the small hand bellows used for distributing sulphur on trees and vines. Also a portable forge. Silver Medal.

C. F. MARWEDEL—Machinists' and Engineers' Tools and Supplies; also Molders' Tools.

This exhibit comprised many new and important inventions and time-saving appliances, all tastefully arranged and appropriately labelled.

Silver Medal.

J. L. HICKS—Iron Turning Lathe, Drill Press and Planer.

This exhibit, while not large, was interesting, and entitled to consideration by the Management.

For Iron Turning Lathe,

Silver Medal.

For Iron Drill Press,

Silver Medal.

For Iron Planer,

Diploma.

CLASS No. 4.**Wood-Working Machinery.**

VULCAN IRON WORKS—Saw-mill, Head-blocks and Set-works; and Gang edger.

This was a good display of a very important home industry and made to meet the requirements of the immense saw-mills of our Coast.

For Gang-edger,

Silver Medal.

For Head-blocks and Set-works,

Bronze Medal.

TATUM & BOWEN—Head-blocks, Set-works, Gang-edger, Circular-saw, Saw-grinder, etc.

Gang Edger.—The exhibitors claim the following points of superiority of this machine:

The manner in which to remove the Saws—Remove the cap-screws from the box on the end of the machine where the saws come off; then clasp the two front rolls together; then, by turning the flange pulley, it will raise the rolls high enough to allow the slides which carry the saw-shifters to be drawn to the front of machine so that the brass yoke will clear the saws. Then by removing two keys at the end of machine and taking out the two pins which hold the box, raise the box by means of hand wheel and screw under th

box and pull out the two plugs under each end of the box; then lower the box until it is below the babbited ribs in the lower box; slide out the box and remove any or all of the saws.

The manner of raising the rolls to receive the lumber—By pressing the foot on the small rod in front of the machine, thus moving the tightening pulley at the end which tightens the belt running on the two flange pulleys and connected with the gears and lifting rods connected with the top rolls.

The four changes of feed by the cone pulleys and shifting of the paper friction.

By the starting and stopping of the feed rolls by means of levers and tighteners at the right hand end of the Edger.

The manner of shifting the saws on the arbor by means of the slides and handles which can readily be seen.

Double Concentric Set-works and Head-block for large Saw Mills.—For this machine they claim a superiority on the following points:

For the accuracy in setting the log by our combination of Ratchet and Pawls and cross-head and connecting rods. For correct setting of fractions with the pedals. The adjustment screw at the end of carrying bar to cut the lumber an even thickness with any thickness of saw. The Automatic Receding Gear for bringing the knees or standards to the back end of the block ready to secure the log. The Automatic Attachment for greasing and cleaning the face of the block.

For Gang Edger, in motion,

Bronze Medal.

For Set-works and Head-block,

Silver Medal.

For Chisel Tooth Circular-saw,

Diploma.

CLASS No. 5.

Miscellaneous Machinery.

PACIFIC PAPER ROLL COMPANY—Paper Holders and Cutters.

This was a fine display of their paper and labor-saving appliances. They also made a creditable display of paper. (See Class 25).

PALMER & REY—Printing Presses, Bookbinders' Machinery, Printers' Materials, etc.

This display of home industry was most creditable and comprised a plant of almost everything required for any printing establishment. A Type-casting Machine was in operation daily, and many pounds of type were given away as souvenirs of the occasion.

Grand Silver Medal.

THE AERMOTOR COMPANY—Large-sized Wind Wheel, and Working Model of same.

A peculiarity of this invention is its tilting tower that enables the operator to bring the working parts down to the ground, where they can be reached for lubrication and repairs with little trouble. Diploma.

CALIFORNIA RAMIE COMPANY—Ramie Fibre Separator and Breaker.

This exhibit was under the management of W. H. Murray, the State Commissioner, and included, besides the machines, almost everything pertaining to the culture and product of this important plant. We trust the Management will recognize the display as worthy of approval and award.

To Wm. Lichtenberg, for Ramie Cleaning Machine, Diploma.

SAN FRANCISCO CHRONICLE—Stereotype Plates used in the publication of that paper.

This exhibit was interesting and instructive, showing the plates in various stages from the foundry to the press. (See also Class 25). Silver Medal.

E. C. MOULTON—The Moulton Hotel and Family Green-pea Sheller.

This device appears to have many points of merit, and it is claimed by the inventor that it shells green peas from the pod without injury to the peas. In fact, he had it in operation almost every evening during the Fair, and many bushels of that edible were taken from the pod, fully proving his assertion of its value and usefulness. Silver Medal.

SAMUEL HILL COMPANY—Edison Mimeograph.

A device for manifolding autographic or type-written work. The work done is clear and distinct, and it seems a valuable addition to the labor-saving devices of the day. Bronze Medal.

W. N. ANDERSON—Automatic Safety Device for Ram or Cable Elevators, and Automatic Safety Door.

This exhibit consisted of working models of "Anderson's Safety Device" for ram or cable elevators, and "Anderson's Automatic Safety Door" for hatchways in elevator shafts—two different inventions in one exhibit—both the invention of Mr. Anderson.

The safety device or brake is designed to automatically stop the car when it exceeds a normal rate of speed, while being at all times under the control of the operator. The brake-shoes are arranged to engage the sides of the posts or guide-ways of the elevator shaft. The shoes are metallic, the back of which being acted upon by eccentrics on a shaft meshing with a segmental gear-wheel on a weighted lever, normally held by a catch in an inoperative position.

A governor on the elevator carriage has a belt connection extending from the top to the bottom of the elevator shaft, the stem of the governor pressing upon a pivoted lever adapted to operate the brake shoe; any too rapid ascent or descent of the elevator car causing the governor to release the catch and thus apply the brakes. A cord from the brake-operating lever also extends

to the inside of the car; or a lever can be used whereby the brakes may be readily operated by the occupant, independent of the motive power.

It is claimed for this invention that it has greater protection against accident, resulting from breaking of cable or separation of carriage from rams, than is obtained by other devices.

In the "Automatic Safety Doors" the doors of the shaft-openings are automatically opened and closed, so that there will be no draught in the well shaft by the movement of the elevator car, which is raised by a cable or ram. The car-floor and top carries mechanism for operating the doors, which have on their under sides transverse strips aligning with the side posts to form, when the doors are open, a continuous guide for the car. Each door has also at one end a depending segmental rack meshing with one of two pinions depending in hangers from a floor-joist across each entrance to the elevator well.

The doors are made of corrugated metal, the corrugations of one plate intersecting those of the other—the doors, when open, resting in recesses of the side posts, on one of which is a vertical rod having at its upper end a pivoted catch being normally pressed by a spring on the rod, and the spring being secured to a latch projecting in the path of a block pressed outward from the cage. This is a small spiral spring and the only one in the device. The doors are thus allowed to drop in accordance with a different construction, in which pinions connected with the segmental gear are engaged by sliding racks secured to sliding bars moving vertically in a raceway secured to one of the side posts of the elevator well. The racks move simultaneously in opposite directions, serving either to open or close the doors according to the direction in which the cage is moving, and each rack-carrying bar having on its back side a projecting block with pins adapted to engage cam-shaped hooks pivoted in the raceway. The hooks are reversed for opposite bars, and are adapted to engage latches on the elevator cage, the latch being pivoted to the free end of bent arms and normally pressed forward. The latch carries on one side a roller adapted to engage rounded steps on the raceway, the pressure releasing the latches from the blocks so that the cage may move on without straining the mechanism, and the steps being located on the raceway at a point opposite the blocks when the doors are in either a wide open or closed position. A gear wheel connected with one of the door-racks has a loosely-mounted drum within which is a ratchet engaged by a pawl, the drum being encircled by a strap so that pressure can be brought to bear on it to prevent the doors from slamming. A modified form of gearing is provided for use in cases where the elevator well is located against the wall of a building, the mechanism in each case being designed to work with a *minimum of friction*, while always keeping the elevator shaft closed against draughts.

It is claimed that this invention has the following advantages: *Protection against fire* by closing draughts. *Protection to life* or injury to persons by the openings being always closed except when the carriage is passing through,

and that this invention should take precedence over all other attempts of the same character, because it is simple in its mechanism, positive in its action, and not easily broken, and reasonably cheap in its construction compared with its superior advantages. Diploma.

J. K. FIRTH & Co.—Ice-making Machinery.

An Ice-making plant, consisting of an Ammonia Compressor, Condenser, Ice-making Tank and Cans, Brine Pump, Coils, Piping, etc., were all working in unison and manufacturing at the Pavilion from 300 to 500 pounds of ice daily. The principle of this machine, as well as others of its class, is this: The compressor is charged with anhydrous ammonia or liquid ammonia, freed of water and other impurities, and which will boil or evaporate at a temperature $28\frac{1}{2}^{\circ}$ below zero. The mechanical action which takes place is as follows: The compressor compresses the ammonia which passes into the condenser coil as a liquid. The ammonia, by means of an expansion valve, is allowed to escape into the coils in the ice-making tank in a gaseous state, and by so doing absorbs a certain amount of heat from objects which surround the coils, which in this case is the brine. The ammonia then passes back to the compressor again, forming a liquid, and this operation is kept up over and over again, using the same ammonia, gradually reducing the brine to a temperature below that of freezing point. The cans in which the ice is to be formed are placed in the ice-making tank and surrounded by the brine, which is kept in circulation by means of the brine pump. The ice gradually forms on the sides of the cans, eventually forming one solid mass, when they are removed, thawed in hot water and removed from the cans, the cake of ice being then ready for use.

This machine is especially designed to fill a long-felt want for manufacturing ice on a small scale, and also to be used for cooling rooms, for butchers' use, hotels, creameries, and small cold-storage plants, at a moderate cost.

The machine on exhibition has been in successful operation since the opening of the Fair and has been a source of amusement and instruction to the thousands who have witnessed its operation and tasted its product. This is the first time a machine actually making ice has ever been on exhibition at one of the Fairs, and is the "novel" feature of the machinery exhibit.

Silver Medal.

M. E. WILLIS—Safety Fare Box and Change Gate.

This fare box is claimed to be safe from robbers; it is durable and neat in appearance. The Change Gate for car-door is a great feature. The gong-striking mechanism is strong and simple in its parts and claims to be positive in its action. Bronze Medal.

ENOCH POND—Pomroy Duplicator.

For years there has been a growing demand for a duplicating process and apparatus which should be simple, durable and adapted to print any size for type-written work. Here is a machine, which, after the most severe tests, has been adopted by the U. S. Signal Office, War Department, Railroad, Express, Corporation and other large business offices. Diploma.

S. DAVIS—Odell Type Writer.

The Odell Type Writer commends itself by its simplicity of construction. It is composed of very few parts. It is therefore correspondingly not liable to get out of order. The type is inked after each impression, like a printing press. It prints directly on the paper, without any intervening ribbon, and uses no inking pad. This is claimed to make the writing clean and distinct and to present an unbroken, smooth and solid line. The alignment can never be affected by age or use. The writing is always in sight.

While it is not claimed that its racing speed is as high as that of certain other machines, it is high enough for all practical purposes. It uses little ink and the ink does not dry on the inker. As the energy of the stroke works directly on the paper beneath the type-bar a great number of carbon paper copies may be taken at once. This is claimed to be one of the great points of the "Odell," and it is distinctly claimed that their fifteenth copy is as good as the fifth copy taken by manifolding on any high-priced machine.

As the paper-roller may be turned little or much, by the hand or by the ratchet attachment, as the operator pleases, and as the stationary indicator always points to the line on which the type-bar will print, it is easy to write with the "Odell" on ruled paper. Bronze Medal.

LEO E. ALEXANDER & Co.—Smith Premier Type Writer.

The following meritorious points are claimed by the exhibitor of this machine over other machines:

Each character is independent of any other and attached with spring action which permits of very high speed beyond the capacity of any operator. The bars of our machine consist of one solid piece of spring steel with a long hanger, with bearings one and five-eighths inches; means are also provided to pick up any wear, should there be any. The cylinders are detachable, and the machine is equipped with special cylinder for manifolding purposes. It will take more duplicate copies than any machine made. Steel bars (Rocker-shaft mechanism) are used instead of levers, which gives great strength and is a strong and simple manner of transmitting power. A brush in the machine cleans all the type instantly. This is recognized as one of the greatest labor-saving inventions ever applied to a writing machine. The ribbon is fed squarely across the machine, both laterally and lengthwise, so that the entire surface comes in contact with the type. Ball bearings are used on carriage; therefore frictionless and noiseless.

The following are additional improvements: Locking mechanism, prevents errors; lever movement, makes work more rapid; inspection of work, easiest method to see the writing; marginal stop, simplifies marginal work; key board, capitals and small letters in same position, easiest to learn, very compact; appearance, handsome in design. Silver Medal.

E. F. MOENNING & Co.—Safety Clutch.

The feature of this Clutch consists in the combination with the cage and the vertical guides of supplemental vertical bars, fitting in grooves in the

outer faces of the guide timbers, said vertical bars being connected at top and bottom with angularly disposed levers, by the action of which they are drawn toward the center or forced outward. It further consists in connection with these levers of the suspending link springs acting upon these levers when the link is released by breakage and cushion springs upon which the elevator cage is received when the safety attachment is thrown into action.

It is claimed that whatever weight there may be on the elevator, the clutch will act immediately on parting of the cable or through anything causing resistance to the clutch or elevator platform by carelessness.

Diploma.

PACIFIC MANUFACTURING COMPANY—Cyclone Windmill, Tank Pumps, etc.

Silver Medal.

AUGUST SCHILLMOLLER—Squeak Eradicator for Boots and Shoes.

This unique and novel invention is claimed by the inventor to almost instantly remove the squeak that is so annoying. If successful, no doubt it will prevent much profanity and relieve many from the undesired notice and attention the squeak now forces upon them.

Diploma.

GEORGE HARVEY—Stump Pulling Machine.

The following advantages are claimed by the exhibitor of the California Stump Puller: In working on a side hill, when there is a heavy pull, the horse can pull to the bottom of the hill. The ratchet at the base of the drum will hold the cable taut, and by raising the clutch on top of the drum the machine is thrown out of gear, and the horse can walk idle to the top of the hill, when the machine is again thrown into gear, giving the horse a downhill pull. Without this feature, any machine constructed on this principle would appear to be impracticable to operate on a hill side. Besides this, in case the sweep should break when there was a heavy strain of the cable on the drum, were it not for the pawl the broken part of the sweep would come back with great velocity, probably doing much damage.

The blocks, which are new in design, can be operated with much speed and are free from weak points. The draft-hook is the only device of the kind in existence that will hold a cable up to its breaking strain without injury to the cable.

Silver Medal.

H. C. HODGES—Windmill.

No description of this exhibit could be obtained; but the Management awarded a

Diploma.

STEPHEN DI VECCHIO—The Golden State Refrigerator.

This refrigerator is claimed to preserve all kinds of food. The ice, being suspended in the center, throws out cold waves all around, which pervade every nook and corner of the storage chamber and instantly cool its contents. The air is also kept in circulation, and perfect ventilation is insured by a series of pipes especially adapted for this purpose, so that no foul gases can exist. Besides, as it is claimed the change of atmosphere brought about

by revolving the central stand has a most beneficial effect on the articles thereon. It is provided with a rotary stand with concentrated and superposed shelves and rows of hooks, which afford plenty of room within a comparatively small compass. Diploma.

VULCAN IRON WORKS—Vulcan Ice Machine, Refrigerator and Vulcan Wire Ropeway.

In the Ice Machine the internal movements for working piston consist of a yoke working across an ordinary crank, the crank-pin turning in a sliding block working in a yoke to give a parallel movement to same. The upper end of yoke forms a piston working in cylinder of machine. This piston contains the suction valve. The lower end of yoke works in circular guide in bottom of frame of pump.

The machine is driven by any available power applied to a pulley on the crank shaft. The suction pipe discharges into body of machine, the gas being taken from there and drawn up through a valve in the piston, compressed on the upstroke of the single-acting compressor, and then forced out through a valve in the cylinder head.

The advantages claimed for the Vulcan Ice Machine are as follows: 1st. The extreme simplicity of its construction, with few parts to wear or get out of order. 2nd. A feature of the construction is that the working parts are enclosed in a tight casing, which is partially filled with oil, thereby insuring constant lubrication and also tightly sealing stuffing box and preventing any leakage of ammonia. 3rd. The fact that, as constructed, the machine can be run at a very high speed. Silver Medal.

In the Wire Ropeway for Transporting Ores, etc., the clips are perhaps the most important part; as on the proper working of the clips depends the successful and economical running of the Ropeway. An essential and peculiar feature of the Vulcan Wire Ropeway is the use of the Vulcan Patent Clip inserted in the body of the rope.

The advantages of this Clip the exhibitor claims to be as follows:

Being inserted between the strands of the rope, it is utterly impossible for the load to slip as it does in other ropeways.

Its peculiar construction prevents the violent jar and swing occasioned by the use of solid clips, which, in passing over the sheaves, throw the load out of a vertical position.

It allows the use of very deep sheaves, which prevents the rope from "jumping out."

It does away with the necessity of cutting down the rims of the sheaves to one-half the diameter of rope, as has to be done in most ropeways in use about every thirty days.

It can be quickly and readily attached to the rope.

The clip can be advanced on the rope from time to time, thereby presenting a new portion of the rope to wear, which cannot be done with any other form of clip. By thus changing the position of the clip on the rope the

rope will last much longer than when a clip is used that is constantly in the same place.

Its use avoids a source of injury to the rope.

*SCOTT & BANNAN—Hammond Type Writer.

DAILY EVENING POST—Stereotype Plates used in the publication of that paper.

A meritorious and instructive display of that branch of printing.

Diploma.

PACIFIC COAST FENCING COMPANY—Wire Fence Machine and its Products.

This machine makes every description of wire fencing for the various purposes for which the same is used, such as ranch or field fence, rabbit-proof fence for orchards and vineyards, wire netting for trellises or chicken yards, or the more elaborate ornamental fence for yards or lawn purposes. It is claimed for this machine and its product the best results yet attained in a general purpose fence, unequaled in beauty, durability, cheapness and strength, while as a protection to growing trees and vines it is giving entire satisfaction.

The same was in operation during the Fair and attracted much and well-deserved attention from those interested in advanced mechanical skill and invention.

Silver Medal.

SHERMAN & DAVIS—Roll Wrapping-paper Printer and Cutter.

This is claimed to print the paper as it is used and requires no attention. The ink is chemically prepared and dries instantly. The cutter cuts the paper as well when the roll is small as large.

Diploma.

CLASS No. 6.

Mining Machinery and Appliances.

SAN FRANCISCO PLATING WORKS—Amalgamated Plate for Gold Mining.

This firm is noted for its plates for quartz mining, and can be found in mills throughout the entire Pacific Coast.

Silver Medal.

THE PELTON WATER WHEEL COMPANY—Rock Ore Crusher.

Bronze Medal.

F. A. HUNTINGTON & Co.—Centrifugal Roller Quartz Mill, two Ore Crushers, Ore Feeder and Dumping Ore Car.

This was the largest exhibit of mining machinery at the Fair, and was a feature of the Machinery Department.

For Centrifugal Roller Quartz Mill,

Silver Medal.

For Ore Feeder,

Silver Medal.

For Ore Feeder,

Bronze Medal.

For Dumping Ore Car,

Bronze Medal.

L. RADOVICH—Hand Power Rock Crusher for Miners' and Assayers' purposes. Diploma.

G. E. WOODBURY—Woodbury Ore Concentrator.

Grand Bronze Medal.

CLASS No. 7.

Laundry Machinery.

THOMAS T. HEALD—Self-heating Washer.

This machine is on the rub-board principle; the clothes can be handled as well as on a wash-board, and it is claimed thereby to give dirty or greasy parts the principal rubbing and thoroughly cleanse the garments. It heats and keeps the water hot, so that the dirt will be removed easily and quickly. It is also adapted for canning fruit and for cooking.

Diploma.

DWIGHT & JEPSON—Perfection Washer.

It is simple in construction; the exhibitor says there is no part of it that an ordinary mechanic cannot replace or repair if needed. The tub is made of Kalamein iron, which is claimed to neither shrink nor rust. It has a corrugated Kalamein iron bottom, on which the garments are rubbed by lever power. The rub is attached by swinging hinges. It is a portable and light machine.

Diploma.

S. B. PAIGE—I X L Clothes-washer and the Byron Dish-washer.

This Exhibit attracted much attention from the ladies, who examine such articles with great interest.

Diploma to each.

CLASS No. 8.

Fire Apparatus and Appliances.

W. T. Y. SCHENCK—Improved Hydrant, Fire Hose and Apparatus, Hose Wagon, Hook and Ladder Truck, Swinging Hose Reel, etc.

The samples of Paragon and Eureka hose were good, particularly the 3-ply of the latter, which is the best cotton hose exhibited for fire purposes.

The Hose Wagon is a good piece of work, and very necessary in departments where cotton hose is used, but too light for the streets of San Francisco.

The Hook and Ladder Truck is good for small towns, but has the same objections as the hose wagon—that it is too light for our streets.

The Swinging Hose Reel is handsome in appearance and well designed for

fire protection. The Reel Swing is a packed joint and yields in any direction the hose is pulled, thereby avoiding friction on the reel.

The Hydrant is simple in construction, easy to repair, and the valve has unusual capacity when open. Another particular advantage is that no sediment can lodge around the working parts or seat.

For Swinging Hose Reel,

Grand Bronze Medal.

For Improved Hydrant,

Grand Bronze Medal.

KELLOGG & HALL—Hose Bands.

Diploma.

PACIFIC EQUIPMENT COMPANY—Worcester Chemical Fire Pails.

The Pacific Equipment Company's exhibit of Chemical Fire Pails is deserving of special mention, as its qualities as a fire extinguisher were fully demonstrated during the Fair by extinguishing two incipient fires.

The special claims of the Worcester Chemical Compartment Fire Pail is its simplicity as a chemical fire extinguisher, its cheapness bringing it within the reach of all, and the fact that its chemicals are held dry, which guarantees a fresh and strong chemical fire-extinguishing solution at all times.

Grand Bronze Medal.

QUICK COUPLING COMPANY—Hose Coupling.

Diploma.

A. MARTINEZ & Co.—Fire-escape.

The inventor of this fire-escape claims it as a special feature that women as well as the timid, feeble and infirm of both sexes, can use it without fear.

Silver Medal.

R. H. MOORE—Acme Hose Reels.

Diploma.

STEWART LUNNY—Garden Hose Coupling, Sprinkler and Slop Screen.

The exhibitor of these inventions claims all and more for them, and nothing less than is required of them. The slop screen itself is claimed a great labor saver, and an indispensable article in a kitchen where there is no slop-hopper handy.

For Hose Coupling.

Diploma.

CLASS No. 9.

Marine.

JACOB NIELSEN—Miniature Ship and House.

Diploma.

INOSUKE HARAKUCHI—Miniature War-ship.

This was complete to the smallest details.

Bronze Medal.

JIM KEENE—Sailing Canoe.

This was a neat piece of workmanship, and included mast and sail.

Bronze Medal.

CECIL NIXON—Miniature Ship.

Diploma.

PETER ROSOVICH—Miniature Ship.

Diploma.

CLASS No. 10.**Sewing Machines, Knitting Machines, Braiding Machines and Looms.**

SINGER MANUFACTURING COMPANY—Sewing Machines and Work.

This was one of the finest displays in the Exhibition, and attracted great attention day and evening.

Of the machines for domestic work the Vibrating Shuttle Family Sewing Machine is claimed by the exhibitor to be the ideal family sewing machine. It has a high arm and short needle (the shortest used in any vibrating shuttle machine); also the shortest shuttle lever; a new automatic bobbin-winder; the latest and best self-threading shuttle; a simple and convenient stitch adjustment and balanced tension, including tension release, by which, without change, the whole range of family work can be done and all kinds of thread used. It is simple in construction, light running and durable.

The Singer Oscillator Family Sewing Machine is claimed to have the following features: Perfect in appearance, one simple conversion of motion rotating to oscillating; no differential motion or variable speed; and the results obtained in combined ease, speed, capacity and durability unequalled; and used for a general range of family or manufacturing work. This machine can be run at a speed of 2,500 stitches per minute and covers a great range of work, from the lightest to the heaviest material.

The Automatic or Single-thread Singer Family Machine.—This machine has an automatic tension, a short self-setting needle, and a positive feed; it is durable and efficient, and runs lightly. It possesses all the other advantages of the best single-thread machines heretofore offered to the public.

Of the sewing machines for manufacturing purposes run by steam power, the Singer Oscillating Shuttle Central Bobbin is said to hold more thread than any other machine in the market; it is in operation on silk shirts.

The Single-thread Chain Stitch—This is in operation making ladies' silk hats and caps.

Left-hand Cylinder Improved Manufacturing Machine, in operation vamping shoes.

Improved Button-hole Machine, with automatic stop-motion and barring attachment for leather, making and finishing button-holes complete; capacity 3,000 per day.

Improved Button-sewing Machine for sewing on buttons, in operation; capacity 6,000 buttons per day.

Improved Button-hole Machine, with automatic cutter; in operation on straight button-holes. Capacity 3,000 per day made, finished and cut.

Improved Manufacturing Machine—In operation making overalls. This machine is on the same principle and is identical with the I. F. Family

Machine only a size larger, for use in manufacturing clothing, overalls, shoes, gloves, hats and all work which requires a heavier machine, or one having more room under the arm than the I. F. This machine is claimed to run at a speed of 2,500 stitches per minute, and covers the greatest possible range of work.

Of the machines not running by steam power, the Carpet Sewing Machine claims to be the only practical carpet sewing machine which makes a perfectly flat seam. The machine will work rapidly, will sew Ingrain, Axminster, Woolsey—in fact, all grades of carpets. This machine is very light and can be readily operated by a lady; capacity 500 yards per day.

The 26-inch Improved Manufacturing Machine for stitching heavy leather belting, sweat pads; is also used by bookbinders in the stitching of heavy paper.

No. 3 Vibrating Presser Carriage-trimming Machine is used by all carriage trimmers.

The Universal Feed Arm Machine, for Shoemakers.—This machine feeds a full circle and is unequalled for repairing boots and shoes.

The Alternating Presser Machine.—Unequalled for going over seams.

The Central Bobbin Machine is something of late design, the same as No. 1, only a size larger.

The Over-seaming and Zig-zag Stitch Machine is used for ornamental stitching on shirts, gloves, boots, shoes, suspenders, etc.

The Two-needle and Two-shuttle claims to be the only machine in the market that sews two distinct seams at once.

Power Tables.—These tables are made in the best possible shape; the top of seasoned sugar pine, the legs bronzed and japanned, and the whole nicely finished. The leg is one H-shaped piece with broad feet and is firmly bolted to the floor. The shaft hangers are adjustable, and the top rails are fastened to the legs by bolts and nuts—the whole making a steady table. These tables are furnished for manufacturing purposes complete, either double or single, and with trough or flat tops. (See Class 34).

Grand Silver Medal.

J. H. SQUIRES—Embroidery and Tufting Machine.

Bronze Medal.

MRS. WM. HUDSON—Home Hand Embroidery Machine.

Diploma.

Respectfully submitted,

W. H. SMYTH,
GEO. T. BOHEN,
GEO. CUMMING,
COLIN M. BOYD,
Committee.

CLASS No. 11.**Agricultural Machinery.**

YOUR Committee, who were appointed to examine and report on Classes 11 and 12, beg leave to report as follows;

BAKER & HAMILTON—Agricultural Implements and Machinery.

This exhibit consisted of Gang Plows, Sulky Plows, Single Plows, Eureka Harrows, Disc Harrows, Barley Crushers, Orchard and Vineyard Cultivators, Seed Sowers, Mowers, Horse Rakes, Garden Barrows, Spring Wagons, Buck Boards, and a general assortment of Hand Rakes, Shovels, Forks, Scythes and Hoes. It was an exceedingly fine display, and represented one of California's great industries.

For Best General Display of Agricultural Implements and Machinery,
Gold Medal.

DEERE IMPLEMENT COMPANY—Agricultural Implements.

This display was fine. It embraced one Grape Stemmer, one Grader, one Grape Press, Champion Fan Mills, Side-hill Plows, Vineyard Single Plows, Vineyard Gang Plows, Potato Diggers, Sulky Plows, Single Plows, Chilled Plows, Walking Gang Plows, Corn Planters, Corn Cultivators, Zigzag Orchard Cultivators, Disc Harrows, Channel Iron Harrows, Lawn Mowers, Tree Diggers, Subsoil Plows, Listing Plows, Corn Mill and Silver-plated Plow.

For Best Potato Digger,	Silver Medal.
For Best Zigzag Cultivator,	Bronze Medal.
For Best Grape Stemmer,	Diploma.
For Best Lawn Mower,	Diploma.

GEO. L. WENZEL—Improved Wine Press, Grape Stripper and Apple Crusher.

For Best Apple Crusher,	Diploma.
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PALMER & REY—Wine, Olive Oil and Seeding Presses.

For Best Olive Oil Press,	Silver Medal.
For Best Wine Press,	Diploma.
For Best Seeding Press,	Diploma.

R. J. KNAPP—Knapp's Side-hill and Steel Plows.

For Best Side-hill Plow,	Silver Medal.
For Best Plow for General Use,	Diploma.

W. H. WORTH - Working Model of Continuous Hydraulic Press.

Worth's Hydraulic Press has a pump worked by steam or other power. The power from the driving pulleys is communicated through a pinion to a spur-wheel on the main shaft. This shaft is provided with a cam which at

every revolution lifts the weighted lever attached to the pump. This lever falls only by virtue of the weight at its end, which weight can be adapted to any pressure per square inch required. As long as the pressure in the cylinder is less than that due to the weighted lever acting on the pump, the lever will fall at each stroke and continue pumping in the cylinder and forcing the ram up. But when the required pressure is attained the lever is balanced by the pressure and is unable to fall, and so remains suspended at the top of its stroke, the cam continuing to revolve underneath it. As soon as the material in the baskets gives away in the least, the lever falls again, and is raised again by the cam until the balance is restored.

For Working Model of Continuous Hydraulic Press.

Diploma.



DIVISION II.

MANUFACTURED PRODUCTS—METALS.

CLASS No. 12.

Iron, Steel and Lead.

BETTS' SPRING COMPANY—Car, Locomotive and Carriage Springs.

This exhibit of springs was a highly interesting one and included a variety of all descriptions of springs manufactured in this City by the Betts' Spring Company. A testing machine was in operation every evening in order to demonstrate the superiority of temper and elasticity; and an open challenge is made to any other Spring Company to show as good results, from a practical test, as the springs made by this Company.

For Best Car and Carriage Springs,

Grand Silver Medal.

THOS. GALVIN—Hand-made Horseshoes.

A creditable display of workmanship, showing the highest order of skill.

For Best Hand-made Horseshoes,

Bronze Medal.

A. MARTINEZ—Wrought-iron Ornamental Work. (See Class 8).

For Best Ornamental Iron-work,

Bronze Medal.

UNION IRON WORKS—Finished Steel Forgings. (See Class 1).

GEO. W. GIBBS & Co.—Wrought-iron Pipe-joint.

Diploma.

FOLDING IRON GATE AND GUARD COMPANY—Folding Iron Gate.

Silver Medal.

COGSWELL POLYTECHNIC COLLEGE—Display of Blacksmiths' Work by the Pupils. (See Class 38).

Respectfully submitted,

J. C. WHIPPLE,

D. KENDIG,

ABNER DOBLE,

J. G. SHEPARD,

Committee.

YOUR Committee, appointed to examine and report upon the merits of articles exhibited under Classes 13, 14, 15, 16, 17 and 18, have to report as follows:

CLASS No. 13.

Cooking, Heating and Ventilating.

S. F. GASLIGHT COMPANY—Gas Ranges, Broilers, Heaters, Grates and Stoves.

For Best Gas-heating Stoves,

Diploma.

FRED JANTZEN—Display of Oil Stoves.

* J. H. FALLS—The Falls' Heater.

A device for utilizing and distributing the heat generated by an ordinary lamp, without diminishing its illuminating power.

C. BROWN & SON—Royal, Grand and Winthrop Ranges, Hot-air Furnaces, Tinware, Oil Stoves for Cooking, Johnson's Aladdin Oil and Gas Heaters, etc.

For Best Display of Tinware,

Silver Medal.

This firm had also a large display of German Blue and White Steel Enameled Ware, which should receive creditable mention.

W. S. RAY & Co.—Display of Elmwood and Glenwood Stoves and Ranges, and Hot-air Heating Apparatus (Imported). Also Parlor Stoves and Adjustable Grates for Stoves.

Mr. Ray received his consignment of goods for exhibition on the afternoon of August 17, and after working nearly all night, had his display in place upon the opening night—a feat worthy of mention.

For Best General Display of Imported Stoves and Ranges,

Silver Medal.

For Best Parlor Stove,

Bronze Medal.

PROGRESS GAS-STOVE COMPANY—Display of Gas-stoves and Ranges.

Diploma.

NEWARK STOVE COMPANY—Stoves and Ranges, California Manufacture.
These were made at Newark, Alameda County.

Grand Silver Medal.

RATHJEN BROS.—Ideal Coffee Pot and Blended Coffee.

Diploma.

J. DE LA MONTANYA —Coffee and Tea-pots, Tinware, Stoves, Ranges, Heating Stoves and Furnaces, and Planished Ware.

For Best Planished Ware,

Bronze Medal.

EUREKA VENTILATING COMPANY—Abrahamson's Patented System of Flue Ventilation for use in Walls, Windows, Transoms, Sky-lights and Doors.

For Abrahamson's Ventilators.

Silver Medal.

TAYLOR, ADAMS & PRITCHARD—Ranges, Laundry Stoves, Steel Ranges, and Hot-water Attachment for Ranges and Stoves.

For Best Hot-water Attachment,

Bronze Medal.

Although there is no special medal provided for Steel Ranges, this firm has such an excellent display of them, all with the latest improvements, that we respectfully suggest awarding them,

For Best Display of Steel Ranges,

Silver Medal.

TAYLOR GOODRICH—Display of Ranges (imported) embracing the "Magee" and "Mystic," Adjustable Grates and Hot-water and Hot-air Heating Apparatus.

For Best Hot-water and Hot-air Heating Apparatus for Buildings,

Silver Medal.

For Best Adjustable Grates for Stoves,

Bronze Medal.

This firm has also two Hot-air Furnaces, of San Francisco manufacture, which are deserving of mention.

SHERMAN S. JEWETT & Co.—Display of Hot-water Heaters, Family Ranges (California Manufacture), Imported Stoves and Ranges, Jewett's Cast-iron Ranges, Jewett's Steel Range, Adjustable Grates, Vapor Stoves, and Gas Cooking Apparatus.

These articles were all of excellent design and workmanship.

For Best Gas Cooking Apparatus,

Silver Medal.

For Best Vapor Stove,

Diploma.

JOHN F. MEYERS & Co. —Household Ranges, Oil Heating Stoves and Household Utensils.

Best Stove for Household Use, with Gas Attachment,

Bronze Medal.

Best Coal-oil Cooking Apparatus,

Bronze Medal.

Upon the recommendation of the Committee on Rules and Awards of the Exposition a further award was given of a *Grand Silver Medal* for the fine display of Lamps, Stoves, and Household Articles. The artistic fitting up of the booth being a very attractive feature of the Fair.

J. C. MAYNARD—The Tennessee Baking Pan.

A woman's invention for baking, roasting and basting meats, etc. This article is claimed to be constructed on strictly scientific principles and a perfect success. Diploma.

THOS. BARNETT—Improved Broiler and Toaster.

An apparatus for broiling meats, and toasting bread on both sides without removing the broiler from the stove.

For Improved Broiler and Toaster, Diploma.

J. C. FULLER—Daggett's Roaster and Baker.

CLASS No. 14.

Hardware, Cutlery, Firearms, etc.

OSBORNE & ALEXANDER—Display of Hardware, Bicycles, etc. (See Class 20.)

For Best General Display of Hardware, Grand Silver Medal.

CHAS. BROWN & SON—Display of Hardware, Cutlery, etc. (See also Class 13.)

Best General Display of Cutlery. Silver Medal.

KELLOGG & HALL—Shotgun Cartridges and Shells.

For Best Shotgun Cartridges and Shells, Diploma.

R. LIDDLE—Guns, Rifles and Sporting Goods.

For a good Breech-loading, Hammerless Shotgun in his exhibit, and made in San Francisco, we recommend, Silver Medal.

For Best Assortment of Firearms, Grand Bronze Medal.

PACIFIC BUTCHERS' SUPPLY COMPANY—Supplies for Butcher Shops and Stalls.

This display included every article which would be found in a first-class Butcher Shop, and presented an extremely interesting and attractive appearance.

For Best Supplies for Butcher's Use, Silver Medal.

GEO. W. SHREVE—Display of Firearms, Fishing Tackle, Dog Collars, Hunters' and Sportmans' Goods, Boxing Gloves, Cutlery, etc.

For Display of Firearms and Best Assortment of Fishing Tackle and Hunters' Goods, Silver Medal.

MAGNEY SASH BALANCE COMPANY—Spring Sash Balance.

Silver Medal.

* S. B. PAIGE—Cooper's Sash Lock.

PACIFIC COAST FENCING COMPANY—Woven Wire Fence. (See Class 5.)

* WM. T. GIBBS—Doud's Patent Keyless Locks.

* G. RISCHMULLER—Door Opener and Closer.

This apparatus, which was entered too late for competition, is designed for use in flats, and consists of a rigid, solid connection of rods and levers connecting the front door with the story above. It can be easily operated by a child, and the opening and closing of the door regulated by the lever in the hand of the operator.

S. DI VECCHIO—Butcher's Supplies. (See Report of Class 5.)

CLASS No. 15.

Fire and Burglar-proof Safes, Locks, etc.

[Consolidated with Class No. 16.]

CLASS No. 16.

Brass Work, Gas and Lamp Fixtures, Plumbers' Goods.

PIERCE & Co.—National Cash Registers and Computing Scale.

Grand Bronze Medal.

ENOCH PCND—Peck's Cash Register and Sales Recorder.

W. D. SCOTT—Air Vents for Kegs and Barrels.

Diploma.

FRED JANTZEN—General Display of Lamps and Coal Oil Burners, etc.

For Best Display of Lamps,

Bronze Medal.

A. S. GRAFF—Diamond Coal Oil Burners and Graff's Patent Safety Lamps.

For Best Coal Oil Lamps (California manufacture),

Grand Bronze Medal.

* R. G. KNAPP—Perfection Filter.

* LIGHTNING FILTER COMPANY—Water Filters.

* S. F. PASTEUR FILTER COMPANY—Water Filters.

* GERM-PROOF FILTER COMPANY—Water Filters.

* E. A. HUBBARD—Pittsburg Lamp.

* RAPID SAFETY FILTER COMPANY—Water Filters.

J. F. MEYERS & Co.—Rochester Lamps. (See Class 13).

DR. R. E. PAYNE—Automatic Self-closing Gas Burner.

This is an exceedingly ingenious little device, intended for the benefit of people who blow out the gas once in a lifetime, turn the cock too far or leave the gas burning, giving the water or air in the pipes the chance of shutting off the light and allowing the gas to escape and asphyxiate the sleeping victims. The device acts promptly and automatically by means of the cooling and contraction of a liquid concealed in a hermetically sealed reservoir. When the gas is lighted the liquid expands with the heat. When the light is extinguished the contraction loosens a catch, releasing the lever and by force of a small spring closes the safety-valve, instantly shutting off the supply of gas.

PH. MEYER—Welsbach Incandescent Gas-lights and Lundgren & Gordon's Gas-lamps. Silver Medal.

STEWART LUNNY—Pomona Lawn Sprinkler and Patent Slop-screen. (See Class 8).

MRS. M. KETCHUM—Brass and Repoussé Work, done in Pavilion.
For Best Repoussé Work, Diploma.

CLASS No. 17.

Grates and Mantels—Marbles, Artificial Stone, Earthenware, Glassware, etc.

GLADDING, McBEAN & Co.—Terra Cotta Arches.

The display of Architectural and Ornamental Terra Cotta Work manufactured by this firm, occupying a space of forty feet, facing the west end of the main aisle, attracted much attention and elicited favorable and well-deserved comment. It consisted of three massive arches intended for the new Mill's Building now under process of erection in this city. The arches were ten feet high and weighed over thirty-six thousand pounds. The display was one of the largest and most impressive at the Exposition.

For Best Terra Cotta Work. Grand Silver Medal.

ELLIOTT & FARRELL—Hand-cut and Set Art Brickwork.

This work, done entirely by hand, reflects great credit upon the executors, and is entitled to recognition.

For Hand-cut and Set Art Brickwork, Silver Medal.

W. D. PERINE—Roofing Slate from Chili Bar, El Dorado County.
Bronze Medal.

E. A. HUBBARD—Darflinger Cut Glass. Diploma.

J. BROWELL—Ornamental Chimneys, Tops, Flues, and Ventilating Flues.
Best Terra Cotta Chimneys and Chimney Tops, Silver Medal.

INYO MARBLE COMPANY—Manufactured Marble from their quarry at Keeler, Inyo County, and finished at their works on the Truckee River.

This exhibit deserves substantial recognition.

For Display of California Marble, Grand Silver Medal.

*J. B. WILLIAMS & Co.—Fire-clay and Sand.

*C. MITTGE—Anti-water Composition.

It is claimed that this anti-water composition can be applied to the floors and walls of buildings, like ordinary Portland cement.



DIVISION III.

MANUFACTURED PRODUCTS—WOOD, OR WOOD AND IRON.

CLASS No. 18.

Carpenters', Joiners', Carvers', and Stair Builders' Work, Ornamental Glass Painting, etc.

GEO. F. ATKINSON—Turned Articles of California Redwood.

Bronze Medal.

CALIFORNIA BELLOWS MANUFACTURING COMPANY—Step-ladders.

R. P. HURLBUT—California Redwood Veneering.

This was a peculiarly California exhibit, and represented the various ways in which the beautiful California curly redwood may be utilized for finish of the interiors of buildings. The specimens were surrounded by a massive gilt frame, and California woods, uniquely and elegantly carved, formed a railing in front at the exhibit.

For Interior decorative Wood-work and Veneering,

Grand Silver Medal.

C. H. BURR—Weatherstrips.

Diploma.

T. C. BUTTERWORTH—Ornamental Art Cut, Stained, Embossed, Bent and Mosaic Glass.

Mr. Butterworth's display was well arranged and occupied a prominent

place in the Exhibition. The work exhibited compared favorably with any which has ever been seen upon this Coast. The center-pieces, representing the coat-of-arms of California, was especially prepared for exhibition at the World's Fair at Chicago. It is a work of art in itself.

For Mosaic and Art Glass,

Bronze Medal.

SANBORN, VAIL & Co.—General Display of Picture-frames, Mirrors and fine Mirror-frames, Mouldings, Oil and Water Colors, Engravings, Artists' Materials, etc.

For General Display of Mirror and Picture-frames, Mirrors, Engravings and Art Work,

Gold Medal.

* QUAGLIOTTE & Co.—Sand-blast Decorative Glass. (San Francisco Manufacture.)

A creditable display of Ornamental Glass-work—the product of the Sand-blast.

* C. E. HENRY—Window Frame.

COGSWELL POLYTECHNIC COLLEGE—Display of Stair-builders' Work by the Pupils.

This was a creditable and praiseworthy exhibit and deserving a high award.

Silver Medal.

* B. McEACHAM—Window Frame.

JOHN MALLON—General Display of Art, Stained, Bent, Cut and Embossed Glass, Cut Ornamental Mirrors, and Photographs on Glass.

The display made this year by Mr. Mallon far exceeds any seen in this city, in point of beauty, design and workmanship. The center piece is a gem, being a striking likeness of the poet, Longfellow, flanked by the "Village Maiden," the "Village Blacksmith" and "Literature." It is intended for the Chicago World's Fair. The artistic stained-glass windows in this exhibit contained "Reubens," "Raphael," "Queen Louise," "Faith," "Cupids," Butterflies and other beautiful features. A fine ornamental mirror consisting of over 300 separate pieces was one of the most noticeable parts of this exhibit.

The principal feature of Mr. Mallon's exhibit, however, is the samples of permanent colored photographs on glass made by his newly-patented process, which gives such perfect results as will undoubtedly revolutionize cut glass work.

For Best Art, Stained, Ground, Cut and Embossed Glass.

Gold Medal.

Respectfully submitted,

SYDNEY LOVELL,
P. R. CUNNINGHAM,
W. N. MILLER,
E. KOLLOFRATH,
J. E. KRAFFT,

Committee.

CLASS No. 19.**Musical Instruments.**

WE, the undersigned Jurors on Class 19, after a careful examination of the articles in the above classification, recommend that awards be granted to the following; although we found some difficulty in following instructions, as the exhibits in some cases do not correspond to your awards:

MRS. S. STAPLES—Harmony Instructor for Piano Forte.

This is a novel method of teaching the elements of Harmony.

Diploma.

PROF. S. ADELSTEIN—Italian Mandolins, Mandolas and Lutes.

For Best Display of Stringed Instruments,

Silver Medal.

BENJ. CURTAZ—Display of Pianos (Imported.)

This firm displayed the Steck and Vose Pianos in an elegant and attractive style, and the piano recitals entertained the many visitors, choice selections being given every evening.

KOHLER & CHASE—Display of Pianos, Guitars, Mandolins, Musical Instruments (wood and brass) and Musical Merchandise.

For Best Display of Musical Instruments and Merchandise,

Grand Bronze Medal.

H. LEUDERS—Pianos—German Manufacture.

GEO. F. WELLS—Display of Mathushek Pianos and Musical Instruments and Merchandise.

This display was most artistic in arrangement, the entire space being built up in the shape of a huge shell which acted as a sounding-board, and distributed the melody elicited from the instruments on exhibition in a very pleasing and enjoyable manner.

It was intended that the center of the exhibit should contain a large vocalion—an organ possessing a peculiar quality, being constructed upon the principles of the human voice. This, however, was found to be impracticable, as the instrument, upon arrival, proved altogether too large to be gotten into the stand.

For Best Display of Pianos,

Grand Bronze Medal.

A. S. GRAFF—Graff's Patent Tension for regulating the Sounding-boards of Pianos.

This is a new invention with which has been discovered the laws regulating the sound of pianos, giving a clearer and stronger tone.

For Regulator for Piano Sound-boards,

Bronze Medal.

LEO ZANDER & Co.—Musical Boxes and Musical Merchandise.

This elegant display occupied the space immediately west of the entrance to the Art Gallery (west end) and contained a variety of intricate and very

ingenious mechanical musical figures, whose movements were so natural as to call forth the wonder and admiration of all beholders. Besides these were musical-boxes, from the tiny toy which might be held in the hand, to the full and magnificent orchestra-box containing many cylinders and costing a small fortune.

For Musical Boxes and Novelties, Silver Medal.

HERMANN MULLER—Stringed Instruments, of California Manufacture.

For Best Zithers, Mandolins and Violins—California Manufacture,
Silver Medal.

TODD MANUFACTURING COMPANY—Todd's Banjos.

A Californian invention. These instruments are being extensively manufactured here. We find the workmanship to be good, and believe the new and patented method worthy of careful examination by lovers of the banjo.

For Best Display of Banjos, "Todd's Patent,"
Silver Medal.

CRESS UNGER—Banjos.

These instruments are of Mr. Unger's own manufacture. The skill and fine workmanship displayed is apparent to all.

For Best Banjos. Silver Medal.

Respectfully submitted,

J. M. STOCKMAN,
MRS. MARTIN SCHULTZ,
J. D. REDDING,
Committee.

WE, the undersigned jurors appointed by the Managers of the Exposition to examine and recommend awards in Classes 20, 21, 22, 23, have met from time to time, and, after careful deliberation, recommend the following:

CLASS No. 20.

Vehicles and their Attachments, Children's Carriages, Hobby Horses, etc.

LOCKE & RAFFERTY exhibited a Buggy, in white, or without paint or varnish, showing good workmanship, Diploma.

PACIFIC COAST MANUFACTURING COMPANY—Patent Village Road Carts, Dash Rails and Seat Guards.

The Carts are recommended for their anti-friction horse motion, for which is granted for the display a Silver Medal.

STUDEBAKER BROS. MANUFACTURING COMPANY—Display of Carriages (Imported), including an elegant Sleigh.

The latter was of considerable curiosity to our native boys and girls.

For best General Display of Imported Carriages, Silver Medal.

BAKER & HAMILTON—Spring Wagons, Buck-boards and Grocery Wagon.

For Best Spring Wagon, Diploma.

OVERMAN WHEEL COMPANY—Victor Bicycles.

For Best Display, Silver Medal.

OSBORN & ALEXANDER—Display of Foreign and Domestic Bicycles.

KELLOGG & HALL—Gerndron Bicycles.

E. MOHRIG—Paragon Bicycles.

T. H. B. VARNEY—Warwick Bicycles.

CHARLES HEROLD—Four-horse Box Wagon, Diploma.

BETTS SPRING COMPANY—Wagon, Car and Locomotive Springs. (See Class 12.) Grand Silver Medal.

COLUMBUS BUGGY COMPANY—Display of Carriages (Imported.)

HEYWOOD BROS. & Co.—Children's Carriages.

For Best Child's Carriage, Diploma.

O'BRIEN & SONS—Display of Carriages of California Manufacture.

This exhibit included Closed Carriages, Single Seat Pony Cart, Oak-finished Pony Cart, Open Carriage, Cut-under Oak Surrey, Brougham, Slide-bar Oak Surrey, Beach Wagon, Three-quarter Brougham (natural finish), Spiral Spring Business Buggy, Extension Top Rockaway, Single-seat Road Buggy, Top Slide-bar Buggy, Spiral Spring Road Buggy, Walnut-finished Bowed Cart, Top-end Spring Buggy, White-wood finished Bowed Cart, Doctor's Phaeton, English Dog Cart, Loop-front Phaetons (Morocco-trimmed and finished Cloth), Electric Railway Car.

For Best General Display of Carriages—California Manufacture, Gold Medal.

For Electric Railway Car, Grand Silver Medal.

A. MEISTER—Village Cart.

For Best Village Cart, Bronze Medal.

MERSEREAU & CLARK—Village and Road Carts.

For Display, Diploma.

E. COPPECK—Stratton's Combination Phaeton and Surrey.

CLASS No. 21.**Furniture, Upholstery, etc.**

HEYWOOD BROS. & Co.—Reed and Rattan Furniture.

Silver Medal.

WALLIS, THEISEN, & Co.—Window Shades, Curtain Poles, Trimmings, etc., including T. Chope & Sons Adjustable Screen and Shade, and Greene's Combination Window Shade and Curtain Pole Hanger.

A. F. MARTEL—Window Curtain Pole Attachment.

MRS. A. D. ANDREWS—Safety Window Chair.

MRS. C. A. DELANEY—Oriental Shelter Hammock.

Diploma.

R. L. INGHAM—Adjustable Extension Drop Shade and Fixture. A California Invention and Manufacture.

Diploma.

W. & J. SLOANE & Co.—General Display of Furniture, Carpet and Rugs, Window Curtains, Cornices and Trimmings, Folding Beds, Wall Decorations, Display of Upholstery, etc., and Parlor Suit of California Manufacture.

For Best General Display,

Gold Medal.

BURR FOLDING BED COMPANY—Burr, Andrew's, Eureka and Combination Folding Beds, Ross' Table Washstand, Marks' Adjustable Reclining Chairs.

For Best Folding Bed, Burr,

Bronze Medal.

For the Reclining Chair and Table Washstand,

Silver Medal.

PACIFIC SPRING AND MATTRESS COMPANY—Folding Beds, Lounges, Sofa Beds, Iron Bedsteads, Woven Wire Mattress, Hair and Spring Beds, etc.

For Best Sofa Bed,

Silver Medal.

For Best Woven Wire Mattress,

Bronze Medal.

For Best Hair Mattress,

Diploma.

CLASS No. 22.**Billiard Tables.**

[No Exhibits.]

CLASS No. 23.**Wooden Ware, Brushes, Wire Goods, Willow Ware, etc.**

BUCHANAN BROS.—Brushes, Feather Dusters, and Carpet Sweepers.

This enterprising firm gave an illustration each evening of their skill and handiwork in the manufacture of brushes.

For Best General Display of Brushes, Silver Medal.

For Best General Display of Feather Dusters, Bronze Medal.

DAVID WOERNER—Display of Cooperage.

This was a very fine display of California manufacture.

Grand Silver Medal.

CALIFORNIA BROOM FACTORY—Display of Brooms.

Diploma.

MRS. J. W. CRAIG—Folding Nursery Chair and Everlasting Clothes-pin.

ARMES & DALLAM—Display of Wooden Ware, including Boxes and Butter Packages, Ice-Cream Freezers, Hand and Power Churns, etc.

W. B. WADMAN—Miniature Butter Refrigerator.

Diploma.

JACK FROST FREEZER COMPANY—Ice-Cream Freezers, in operation.

Diploma.

ICEBERG FREEZER COMPANY—The Iceberg Freezer, in operation.

We consider this freezer the best on exhibition; but being too late for competition is not, according to the Rules, entitled to an award.

A. D. HARRIOTT—Wire Puzzles and Fancy Articles.

J. C. FULLER—Combined Clipper Flour-bin and Sifter.

Respectfully submitted,

DAVID E. WALKER,

A. D. NEWKIRK,

LEVI CARR,

R. HERRING,

JAS. M. CAMP,

Committee.

DIVISION IV.

MANUFACTURED PRODUCTS—ANIMAL AND VEGETABLE PRODUCTS.

YOUR Committee of Jurors appointed to examine and report in Classes 24, 25, 26, 27 and 33, beg leave to report, that after a careful examination of the different exhibits entered in the above Classes, we would recommend as follows:

CLASS No. 24.

Boots, Shoes, Leather, Rubber Goods, etc.

J. O'KANE—Harness, Saddlery, Whips and Horse Clothing.

Best General Display of Harness, etc., Gold Medal.

FRENCH & LINFORTH—Gandy Belting.

This belting was in actual use, driving the main line of shafting, during the entire Exhibition, and is deserving of special mention.

Diploma.

TATUM & BOWEN—Shultze's Leather Belting and Lace Leather. The Dynamo Belting is of special merit.

For Shulte's Leather Belting, Diploma.

J. C. JOHNSON—Harness, Robes, etc.

For Best Carriage Harness, Silver Medal.

For Best Robes, Bronze Medal.

GRAYSON—Miniature Mexican Saddle.

CLASS No. 25.

Hemp Cordage, Paper Furs, Silk, Hair, etc.

CLASS No. 26.**Woolen Goods, etc.**

PACIFIC ROLL PAPER COMPANY—Wrapping, Straw, Manilla and Sheathing Paper and Paper Cutters. Silver Medal.

S. F. CHRONICLE—Roll Printing Paper.

This was a fine display of the roll paper manufactured in this State, for use in printing the San Francisco Chronicle.

Best Display of Roll Printing Paper. (See Class 5).

Grand Silver Medal.

CALIFORNIA STATE PRISON—Jute Goods, Bags and Burlaps.

J. BAUMGARTEN & Co.—Samples of Manufactured Flax.

C. H. STREET—Display of Raw Silk.

THE SANFORD MILLS—Mohair Plushes from California Angora-wool.

Diploma.

W. W. & J. S. DRURY—Ramie Stalks and Fibre.

Diploma.

BOEHMERIA TENACCISIMA—Ramie Roots, Stalks, etc.

Diploma.

L. C. McAFEE—Exhibit of Ramie Cloth, Twine Rope and Towelling, California Manufacture. Diploma.

CALIFORNIA COTTON MILLS—Exhibit of Ramie Cloth, Twine Rope, etc.

Diploma.

W. H. MURRAY—Exhibit of Ramie Culture by the Dry Process.

Diploma.

CLASS No. 27.**Gentlemen's Furnishing Goods, etc.**

C. P. HEINMEYER—Walking Canes.

Bronze Medal.

Respectfully submitted,

P. J. THOMAS,
WM. R. FORSYTH,
GEO. W. WADE,
Committee.

CLASS No. 28.**Ladies' Furnishing Goods, Dresses, Cloaks, Millinery, etc.**

After duly examining the exhibits entered under Class 28, and consulting together regarding the merits of the same, we present the following report:

SINGER MANUFACTURING COMPANY—Display of Machine Work done on the Singer Machines.

This was the largest and most elegant display ever made in this State, and merits the highest praise and award. (See Class 10.)

Gold Medal.

LUSCOMBE & ISAACS—R and G Corsets.

ALMA E. KEITH—Millinery.

The specimens of the Milliner's Art, as represented in this display, called forth the admiration of the lady visitors, and the highest compliments from all those who saw it. The arrangement and general appearance was very handsome, and the samples were constantly renewed and varied, showing the greatest number of beautiful and artistic Ladies' Headgear which has been seen in the Pavilion.

For Best Display of Millinery,

Silver Medal.

METZ & Co—Richelieu Kid Gloves.

A show-case with over one hundred varieties of choice kid gloves.

For Best Display of Kid Gloves,

Diploma.

MME. A. HAMELIN—French Corsets, California Manufacture.

For Best Ladies' Corsets,

Silver Medal.

CLUFF'S GARMENT FASTENER COMPANY—Cluff's Patent Garment Fasteners, Clothes-pins, and Fruit-driers, and Combined Hose and Skirt Supporters.

The merits of this unique and useful article cannot be over-estimated. It takes the place of buttons, pins and other fastenings, and is useful in a thousand ways. The principle is the same as that employed in the hose-supporter in use for several years, but the article, instead of having a single grip, has two—one on each end—which, when the fabric is inserted, grasps it so firmly as to make it impossible for it to give or work loose.

For Cluff's Garment Fastener, etc.,

Diploma.

Respectfully submitted,

MISS M. ROSS,

MRS. J. FOWZER,

MISS R. J. CULVER,

Committee.

DIVISION V.

ELECTRICAL, SCIENTIFIC AND DECORATIVE ARTS.

CLASS No. 29.

Electricity and Electrical Appliances.

YOUR Committee of Jurors, appointed to examine and report on Class 29, do hereby present our recommendations, and report as below:

ELECTRICAL SUPPLY COMPANY—Electrical Apparatus and Appliances.

This exhibit included a static current generator, which was operated every evening to the intense amusement of the spectators, who received the current with varying degrees of courage and fear. To this company we recommend,

For Best Primary and Secondary Batteries,	Silver Medal.
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For Best Physicians' Cabinet Battery,	Silver Medal.
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For Universal Galvanometer (for general use).	Bronze Medal.
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For Best Galvanometer,	Bronze Medal.
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For Best Display of Telegraphic and Electrical Appliances (California manufacture),	Bronze Medal.
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JOHN M. KLEIN—Electrical Supplies.

This exhibit was the most complete representation of the full line of Electrical Goods which has been seen for many years. There were the rudimentary implements used in the construction of telegraph lines, consisting of post-hole diggers, shovels, wire reels, wire stretchers, linemen's climbers, kit-bags, hatchets, wooden and iron pins and brackets, splicers, joint soldering apparatus, pliers, hand vices, and every article which could possibly be utilized in the construction of a line of wire for telephonic, telegraphic or electric light service. Besides these was a full assortment of telegraph instruments, push buttons, electric bells, electric gas lighters, switches, patent iron pins and brackets for insulating purposes, annunciators, fire-alarm gongs and batteries.

The display was artistically arranged, and the Committee unanimously recommends award

For Best General Display of Electrical Apparatus,	Gold Medal.
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CALIFORNIA ELECTRICAL WORKS—Electrical Apparatus, etc., Electrical Cables, and Electric Light Supplies.

For Best Submarine Cable,	Silver Medal.
For Best Cut Out,	Bronze Medal.
For Best Fittings for Lamps,	Bronze Medal.
For Best Switches,	Bronze Medal.
Best Volt Meter,	Bronze Medal.
Best Electric Bells,	Bronze Medal.

ELECTRICAL ENGINEERING COMPANY—Electric Motors.

The motors on exhibition by this Company are applicable to any and every branch of work requiring a good electric motor. Being a California invention and manufacture, they are especially commendable to our citizens.

For Best Electric Motor for general use,	Silver Medal.
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THOMPSON-HOUSTON ELECTRICAL COMPANY—Railway Motor, Dynamos for Incandescent Lights, Dynamo Motor for the transmission of power, Ribbon-feed Arc Lamps for Incandescent Circuit and Fan Motors.

This Company exhibited, in connection with the Electric Street Railway Car built by O'Brien & Sons, a fine Electric Motor designed for use upon the cars of the San Francisco and San Mateo Electric Railway, now nearing completion. The car was brilliantly illuminated by the same current which operated the motor, and a well-informed attendant explained the workings of the apparatus to the many deeply-interested and progressive San Franciscans who crowded around the exhibit to learn what they could of the proposed great improvements and advancement in the methods of transportation.

For Best Arc Lamps on Incandescent Circuit,	Grand Silver Medal.
For Best Incandescent Lamp,	Silver Medal.
For Best Current Meter,	Silver Medal.
For Best Electric Street Railway Motor,	Silver Medal.

ELECTRICAL STORAGE AND SUPPLY COMPANY—Julian System of Storage Battery, Gamewell Fire Alarm System and Electrical Appliances.

Among the varied assortment of electrical appliances exhibited by this firm was the Gamewell Fire Alarm system, showing the alarm box, alarm gong and automatic indicator and return signal. This system is so constructed as to sound the alarm upon a small bell inside of the signal-box at the same time as the general signal is given by the system, thus assuring the person giving the alarm that the wires are in good working order. At the same moment the gong strikes in the engine house the number of the box appears in bold figures above the bell, effectually preventing any error as to the correct signal which might be misunderstood if dependence was placed upon the counting the strokes alone.

For Best Fire Alarm System,	Bronze Medal.
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Respectfully submitted,

E. G. EISEN,
F. CREIGHTON,
W. C. QUIMBY,

Committee.

CLASS No. 30.**Scientific Apparatus, etc,**

CLASS No. 31.**Surgical and Dental Instruments and Appliances.**

CLASS No. 32.**Gold, Silver-Plated Ware, Watches, Clocks, Jewelry and
Bronzes.**

(Classes No. 30, 31 and 32 Consolidated.)

YOUR Committee has examined into the merits of the above-classed and enumerated exhibits and they desire to report as below:

* DR. J. ALEXANDER—Optical Goods.

* C. F. HUGHES—Spectacles, Eye-glasses and Optical Apparatus.

* DR. FRANCIS C. TREADWELL—Case of Human Teeth extracted by the Lady Dentist.

C. P. HEININGER—Shell Jewelry.

Diploma.

* RUSSELL WHITMAN—Aluminum Goods.

Mr. Whitman made a very fine display of articles manufactured from this wonderful new metal.

KATIE BREEN—New York Novelties in Jewelry, made from Pyrites of Iron.

Respectfully submitted,

F. CREIGHTON,

E. G. EISEN,

Committee.

CLASS No. 33.**Printing.**

THE jury appointed for the awarding of premiums to meritorious exhibits under Class 33, submit as follows:

BRUNT & Co.—Printing, Engraving, Embossing, etc.

For Best Specimen of Book Printing, Grand Bronze Medal.
The display of Society Badges and Programs was of especial merit.

DEWEY & Co.—Engravings, Photo-fac-simile Engravings and Zinc Etchings.
For Best Specimens, as above, Diploma.

BENJ. ROTHOLTZ—Display of Stationery and Printing.

For Best General Display of Stationery, Silver Medal,

* H. W. FAUST—Map of San Francisco.

PERNEAU BROS.—Fountain Pens.

Respectfully submitted,

P. J. THOMAS,

GEO. W. WADE,

W. B. FORSYTH.

Committee.

CLASS No. 34.**Hairwork, Needlework, Embroidery, Shellwork, Patterns, etc.**

YOUR Committee on Class 34 respectfully report and recommend as follows:

MRS. C. B. HERVEY—One Rug.

MRS. G. B. SMITH—Pair Shams. Diploma.

MRS. HATTIE DEVEREAUX—Two Lace Dresses.

MRS. ANNA GUSSLER—Lace-work. Diploma.

MRS. F. T. DUHRING—Crazy-quilt and Shams. Diploma.

MISS ANNA GARFINKEL—Shams.

MISS L. A. FRAZER—Hand-made Lace. Silver Medal.

MISS M. QUADT—Crazy-quilt.

MISS S. A. BRAND—Spread.

- MISS BEETHA HARRIS—Shams and Table-scarf.
- MRS. E. HARBITZ—Artificial Wool Flowers. Diploma.
- MRS. ONISKA FISKE—Shams and Apron.
- MISS EMMA STEINER—Hand Crochet Flounces.
- MRS. O. W. KEITH—Tailor System of Dress-cutting.
- MISS A. E. MELTON—Collection of Fine Specimens of Needlework. Diploma.
- MRS. C. S. MATHESON—Buttons on Card, and Samples of Knitted Work.
- MRS. Z. H. MAUPIN—Chenille Slippers.
- MISS ANNIE CULLIGAN—Piano Cover.
- Z. GRASSELLY & Co.—Embroidery, Diploma.
- MRS. WM. SCHENDEL—Crazy-quilt.
- MRS. MARY BUHLERT—Child's Lace Dress.
- MISS TECKLA JOHNSON—Crochet Spanish Work.
- MRS. A. M. VETTERLI—Knitted Bedspread, Diploma.
- MRS. J. W. LORD—Child's Dress and Tidy.
- MRS. M. MULLER—Worsted Crochet Skirt, Diploma.
- MISS JESSE MILLAR—Collection of Kensington Embroidery, Fancy Tidy and Lace-work. Diploma.
- MRS. L. P. MILLAR—Spanish Embroidery and Drawn Work.
- MRS. WM. McELLODY—Crazy-quilt and Shams.
- J. H. SQUIRES—Embossed Worsted Work, done in Pavilion. Diploma.
- MRS. LENA DIETRICK—Crochet Beaded Satchel.
- W. H. CLOSE & SON—Flesher's School of Dress-making and System of Dress-cutting.
- For Display of Dress-cutting Systems, Bronze Medal.
- MISS ROSA WIELAND—Child's Dress and Handkerchiefs, Embroidered. Fine work, but too late for competition.
- MISS LOUISE SHEIHING—Flowers, Card and Wire-work. Too late for competition.
- MRS. A. F. MARTEL—Lace-work Tidy.
- MRS. JAS. PATTERSON—Shams and Spread.

MRS. E. VESTEY—Display of Specimens of Natural Products, artistically prepared and arranged.

Best Preserved Natural Flowers,	Bronze Medal.
Best Skeleton Leaves,	Diploma.
Best Display Sea Moss,	Diploma.

OTTO MOESCH—Imported Dress Goods, Trimmings, Linen and Silk Handkerchiefs, Woven-silk Scarfs; Shawls and Ladies' Goods. (See Class 28).

MISS MARY LEONARD—Quilt.

MRS. WM. HUDSON—Embroidery Work, done in Pavilion. Diploma.

MISS EVA RUNDEL—Crazy-quilt. (Too late for competition.)

MISS EVA RUNDEL—Exhibition of Work done in Society Islands, Tahiti, by the Natives, from the Fibre of Arrow-root and Sugarcane.

This was an extremely beautiful and interesting exhibition.

Diploma.

MISS MARY FLEISSNER—Chenille Frame and Photos.

MISS GUSSIE BERGER—Kensington Paintings, Bronze Medal.

MRS. D. C. FOX—Best Worsted Picture (Count Censius' Appeal to Pope Gregory VII.) Diploma.

MRS. F. W. SCHALEKE—Painted Banner.

MRS. C. MEYER—Fancy Twine Holders.

ZELDA LEWIS—Collection of Buttons.

Respectfully submitted,

MRS. J. FOWZER,
MISS ROSE J. CULVER,
MISS M. ROSS,
Committee.

DIVISION VI.

FINE ARTS.

WE, the undersigned Committee on exhibits in Classes 35, 36, 37, 38 and 39, beg to report as follows:

CLASS No. 35.

Oil Paintings.

Best and Largest Display by Local Artists.

First Premium, Alice B. Crittenden.....	Gold Medal and \$80 00
Second Premium, R. D. Yelland	Silver Medal and 60 00
Third Premium, Eugene Taniere.....	50 00
Fourth Premium, Cecil Romer....	40 00
Fifth Premium, W. J. Nunan... ..	35 00
Sixth Premium, S. Newman	30 00
Best Specimen Genre Painting, G. Papperitz	30 00
Best Landscape Painting, R. D. Yelland... ..	30 00
Best Portrait, in Oil, J. H. E. Partington	25 00
For the Fine Large Painting of Niagara Falls, by Colonel James Fairman, M. A.	Silver Medal
Collection of Paintings, by Gulla M. Scanlin.....	Diploma

(The two last-named premiums were recommended by the Committee on Rules and Awards).

Water Color Paintings.

Best and Largest Display of Water Color Paintings, Geo. H. Burgess.

	Silver Medal and \$40 00
Best Specimen Genre Painting, H. R. Hopps.....	20 00
Best Specimen Landscape Painting, Geo. H. Burgess	20 00
Best Specimen Portrait Painting, Geo. H. Burgess	15 00
Best Specimen Still Life Painting, Mrs. D. W. Gelwicks... ..	15 00

CLASS No. 36.**Ceramic Art.**

STANDARD MUG DECORATING COMPANY—Decorated China Mugs.

A fine display filling two large cases.

E. SEIDL—Decorated Chinaware (6 pieces.)

MISS JESSE MILLAR—Lustre, Panel and Placque Painting.

MISS AMELIA OCHS—Plush and Placque Paintings and Painting on Velvet,
Best Painting on Velvet, Bronze Medal,

MISS E. C. HOLMES—Decorated Chinaware.

MRS. MAUDE NOURSE—Decorated Chinaware.

Best Single Specimen Porcelain Painting, Bronze Medal,

MRS. J. SCOVILLE—Decorated Chinaware.

MRS. F. A. FISH—Collection of Ceramics.

For Best Collection of Ceramic Art, Silver Medal.

For Best Single Specimen Painting on Pottery, Bronze Medal.

For Best Painting on Glass, Bronze Medal.

For Best Painting on Wood, Bronze Medal.

CLASS No. 37.**Sculpture, etc.**

FRED. FLOHR—Statue, "Rock of Ages."

R. SCHMID—Portrait Bust of Dr. Ferrar, and a fine Collection of Statuary
and Modeling.

Gold Medal.

MISS KÜHNE BEVERIDGE—Bust of Adolph Sutro, and Ideal Head.

Diploma.

ALLEN HADDOCK—Plaster Portrait of Dr. O. S. Fowler.

L. M. HOFFMAN—Wood Carving.

Bronze Medal.

MRS. A. CALDWELL—Black Walnut Carved Easel.

Diploma.

MRS. A. F. MARTEL—Wax-work (in globe), representing "Our Saviour's
Hand."

COGSWELL POLYTECHNIC COLLEGE—Specimens at Modeling and Carving by
Pupils.

For Wood Carving and Clay Modeling, Silver Medal.

CLASS No. 38.**Engraving, Penmanship, etc.**

COGSWELL'S POLYTECHNIC COLLEGE--Mechanical Drawings, and Drawings from Casts, Objects and Nature.

Silver Medal.

WORLD'S FAIR MAGAZINE COMPANY--Plans and Sketches for the California Buildings at the World's Columbian Exposition.

T. R. SOUTHERN--Penmanship, Lettering, Engrossing, Card Writing, Pen Drawing, and Tinted Grounds for Ornamental Work.

For Best General Display of Penmanship, Silver Medal.

For Best Original Pen Drawing, Diploma.

For Best Specimen of Penmanship, Diploma.

B. McDUGALL & SONS--Architectural Drawings.

Diploma.

ERNEST EMERICH--Pen and India Ink Portraits and Pictures, and Tinted Illuminated Work.

For Illuminated Work, Diploma.

R. BERTHOLD--Engraving, "The Coming Storm."

LAURA E. FOSTER--Specimen of Engraving.

MISS S. FRIEDMAN--Crayon, "The Wounded Soldier."

MISS MCCORMACK--Best Original Pencil Drawing.

Diploma.

F. MEKURA--Best Original Crayon Drawing.

Diploma.

PUPILS OF MECHANICS' INSTITUTE EVENING CLASSES--Best General Display of Drawings.

Silver Medal.

CLASS 39.**Photography.**

THEO. C. MARCEAU--General Display of Photographs, Photographic Work, Water Colors and Crayons.

In this magnificent display were included many of the very finest specimens of photographic art.

For Best General Display of Photographs, Gold Medal.

J. W. STATELER—Landscape Photos.

All of high degree of excellence.

Bronze Medal.

S. C. PARTRIDGE—Photographic Supplies and Exhibition of Stereopticons.

The large display of Photographic Supplies exhibited by Mr. Partridge was situated in the southwest end of the gallery, and the Stereopticon exhibition in connection therewith was inclosed in a large room built expressly for that purpose. The Stereopticon Views were projected upon a large screen by means of the Electric Light—an entirely new and novel arrangement. These exhibitions were greatly enjoyed by all who witnessed them.

For Best Photographic Apparatus and Views.

Grand Silver Medal.

CHAS. A. GARTHORNE—Display of Photographs.

J. FOWZER—Display of Photographs, and Photographic Art.

This fine display of first-class work entitles Mr. Fowzer to the title of "Artist Photographer."

For Excellent Display of Photographic Art,

Silver Medal.

PACIFIC PORTRAIT COMPANY—Display of Photos.

MRS. E. BRUNNER—Portraits.

P. P. MAHLSTAD—Portraits.

CHAS. LAINER—Photographs.

A large and fine display, artistically arranged, and a very attractive feature of the Fair.

Bronze Medal.

GEO. M. GALLAGHER—One Photograph.

Respectfully submitted,

EDW. E. POTTER,

WM. PATTON,

THOMAS HOWARD,

J. J. REY,

A. MORETTI,

Committee.

DIVISION VII.

CHEMICAL AND FOOD PRODUCTS.

WE, the Committee appointed by you to act as Jurors in Classes 40, 41, 42, 43, 44, 45 and 46, after a very careful examination of the various exhibits, in which, in several cases, we have found it very difficult to decide on account of the equal merits of the competing articles, beg leave to submit the following report:

CLASS No. 40.

Chemical and Pharmaceutical Products.

STANDARD SOAP COMPANY—Soaps, Perfumery, etc.

An extremely handsome and creditable display of Soaps, Perfumery, Glycerine and Candles, manufactured by this Company at its extensive works at Berkeley, Cal., and representing one of the greatest industries of the Coast.

For Best General Display of Soaps, Candles and Glycerine,

Gold Medal.

COBURN, TEVIS & Co.—Perfumery and Toilet Articles, Mexican Cactus Soap, Axle Grease, Putty Pomade, Sapolio, Oils, etc. (See Classes 42 and 45.)

For Best Axle Grease “C & S,”

Silver Medal.

AMERICAN LUCOL COMPANY—Display of Lucol Oils and Paints.

For Fine Display of Lucol Oils,

Silver Medal.

TAYLOR, NASON & Co.—Leads and Paints, Prepared Paints and Varnishes, Mineral, Vegetable and Animal Oils, Lubricating Oils, all California Manufacture.

For Best Display of Leads, Paints, Varnishes and Oils.

Gold Medal.

EAGLE MANUFACTURING COMPANY—Shoe-dressing, Writing Fluid and Mucilage.

For Best Shoe-dressing,

Diploma.

For Best Writing Fluid and Mucilage,

Silver Medal.

CORONADO WATER COMPANY—Natural Mineral Water.

Artistic display of Natural Mineral Water from the famous Coronado Springs, California. This was an exhibit in bottles, arranged in the shape of a circular pyramid enclosing a multitude of electric lights.

For Excellent Exhibit of Natural Mineral Water, Silver Medal.

M. MOHR—L'Autriche Feather Curler and Renovator, and Lightning Fluid Polish.

For Lightning Fluid (Metal) Polish, Diploma.

THE CALLUSTRO COMPANY—Display of Callustro Products.

This Company is composed entirely of ladies who are successfully handling this natural Californian product.

For Fine Display of Callustro Products, Diploma.

JOHN HORSTMAN—Display of Lavarine and Bi-carb of Soda.

For Lavarine, Silver Medal.

MAGNER BROS.—Prepared House and Floor Paints, manufactured by Heath & Milligan, Chicago, Ill.

Diploma.

TATUM & BOWEN—Albany Lubricating Compound.

CALIFORNIA BOTTLING COMPANY—Manitou Mineral Water and Ginger Champagne.

For a Good Display, Diploma.

MOUNT SHASTA MINERAL WATER COMPANY—Shasta Water, Shasta Ginger Ale and Sarsaparilla and Iron.

This exhibit was from the celebrated springs at the foot of Mount Shasta, where the ever-flowing stream springs fresh from the interior of the earth.

For Best Display of the above, Silver Medal.

BARTLETT SPRINGS MINERAL WATER COMPANY—Mineral Water from the World-renowned Bartlett Springs.

For Fine Display of Natural Mineral Water, Silver Medal.

BECK & SONS—Baking Powder, Starch and Flavoring Extracts. (See also, Class 41.)

For Best Display of Baking Powder, "Price's," Bronze Medal.

For Best Display of Starch, "Duryea's," Diploma.

For Best Display of Flavoring Extracts, "Price's," Diploma.

CLASS No. 41.

Groceries, Meats, Flour, etc.

A. L. BECK & SONS—Log Cabin Maple Syrup.

THE T. A. SNIDER PRESERVE COMPANY—Fine Display of T. A. Snider's Celebrated Tomato Catsups and Soups.

For Fine Display of Soups and Catsups, Diploma.

C. B. JENNINGS & Co.—Toboggan Maple Syrup.

For Best Display of Maple Syrup, Diploma.

M. A. PETTIJOHN—Flour of Life.

Diploma.

AMERICAN BISCUIT COMPANY—Display of Crackers and Biscuits.

The display made by this Company was ornamental and artistic in the highest degree, and was erected and maintained at considerable labor and expense.

For Best General Display of Crackers and Biscuits. Gold Medal.

RATHJEN BROS.—Ideal Coffee Pots and Coffee.

Diploma.

CENTRAL MILLING COMPANY—Display of Drifted Snow Flour.

This display represented one of California's greatest industries. A pyramid of glass jars in the center of this exhibit exemplified the eighteen stages of transforming the wheat into fine grade flour, and samples of the various-sized sacks were artistically arranged around the booth. Occupying the most prominent location, immediately on the left of the main entrance, this display attracted as much favorable comment and attention as any in the building.

For Best Display of Flour, Grand Silver Medal.

TILLMAN & BENDEL—Huckins' Soups, Cibils' Beef Extract, and * Padlock Maple Syrup.

For Display of Soups and Sandwich Meats. Diploma.

E. T. COWDRY COMPANY—(Bates & Suydam, Agents)—Deviled Ham, Soups and Meats.

For Best Deviled Ham, Diploma.

CUDAHY PACKING COMPANY—(F. H. Ames & Co., Agents)—Display of Canned Meats and Hams.

Diploma.

W. S. TOWNSEND—Display of Glacé Fruits—Californian Manufacture.

Grand Silver Medal.

J. WOLFF MERCANTILE COMPANY—Fine Display of Pickles, Preserves, Royal Dutch Cocoa and Flaccus Bros.' Catsup.

For Fine Display. Silver Medal.

DIVISION VIII.

NATURAL PRODUCTS.

CLASS No. 42.

Wines and Brandies of California Production, from California Vineyards.

C. A. WETMORE COMPANY—Wines (Red and White) from their celebrated “Cresta Blanca” Vineyard.

Best General Display of California Wines,	Gold Medal.
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COBURN, TEVIS & Co.—Mott’s Sweet Cider (Imported)	Diploma.
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S. MARTINELLI & Co.—Sweet Cider (California Product)	Diploma.
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CLASS No. 43.

Fermented Products.

CALIFORNIA BOTTLING COMPANY--Domestic and Export Lager Beer.

This elegant display represented the portals of a castle, flanked upon either side with two gigantic representations of bottles, upon which appeared a large fac-simile of Wieland’s celebrated labels, which were wonderfully exact imitations and done by hand.

The display also contained a very good showing of California Hops, from which the beer is made.

For Best Bottled and Draught Lager Beer,	Gold Medal.
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CLASS No. 44.**Tobacco.**

LORILLARD & Co.—Display of “Grizzly” Brand Plug Cut Tobacco.

A very fine display of this brand of Tobacco, especially attractive on account of the “Brand” represented by a live California Grizzly Bear, who was tamed and educated by the manager of the Lorillard Company, Mr. Laidlaw.

For Fine Display of Plug Cut Tobacco, Silver Medal.

HORN & Co.—General Display of Cigars, including Hoffman House, Agnes Booth, No. 8 Special, La Meta, La Flor de Cortez, La Vita, La Defense, Wacht am Rhein, Sanitary, Walter Scott, Thoroughbred, Havana and Key-west Brands.

For Best General Display of Cigars, Silver Medal.

TILLMAN & BENDEL—Display of Boltz, Clymer & Co’s Cigars.

For fine display, Silver Medal.

CLASS No. 45.**Geology, Mineralogy, Zoology, Botany, etc.**

COBURN, TEVIS & Co.—Refined Borax, Diploma.

J. A. MUNZ—Fine Display of Animal’s Horns, Silver Medal.

E. F. LORQUIN—General Collection of Specimens of Natural History.
Grand Silver Medal.

* MEXICAN PHOSPHATE AND SULPHUR COMPANY—Fertilizers.

L. RADOVICH—Moose Head (mounted) from Yukon River, Alaska,
Diploma.

Also Specimens of Minerals from Pacific Coast Mines.

C. R. ALLEN—New Wellington Coal.

For Best Display Pacific Coast Coal, Silver Medal.

CLASS No. 46.

MARGUERITE FRUIT FARM—General Display of Fruits—Green and Dried, Jellies, Jams, Raisins and Nuts; Olive Oil and Farm Products.

Best Display of Dried Fruits, Diploma and \$25 00

Best Display of Preserved Fruits, Silver Medal and \$ 5 00

Best Display of Jellies and Jams, Silver Medal and \$ 5 00

CONTREXVILLE MANUFACTURING COMPANY—Cotton Plushes.

A. CRAWFORD & Co.—Fibre and Sea Island Cotton.

E. W. HILGARD—Ramie Plants.

L. C. CHASE—Mohair Plushes.

CALIFORNIA COTTON MILLS—Cotton and Cotton Products.

Diploma.

HERMANN & Co.—Display of California Hops.

Silver Medal and \$25 00

THOS. DENNIGAN SONS & Co.—California Wool.

Silver Medal and \$15 00

C. P. BAILEY—Mohair,

Diploma and \$10 00

SCHACHT, LEMPKE & STEINER—San Diego Honey.

Diploma and \$10 00

F. SANDERS—Jellies, Jams, Mincemeats, Fruits and Puddings.

Diploma.

C. A. WETMORE—California Olive Oil.

FLORAL DAYS.

The pleasure given to visitors by the Exhibit of Flowers at previous Fairs induced the management this year to again repeat that feature of the entertainment, and to that end a carefully-prepared premium list was issued offering liberal premiums to competitive exhibitors on Wednesday and Thursday, September 16th and 17th, Monday and Tuesday, 21st and 22d, and Thursday and Friday, 24th and 25th.

On the first floral day each participant was compelled to exhibit six pieces—a cornucopia, a fan, a bouquet, a butterfly, a basket, and a horseshoe. The first prize of \$75 was awarded to John H. Sievers; the second prize, \$50, to J. Pouyal; and the third prize, \$40, to C. M. Leopold.

On the third floral day the pieces to be displayed for competition were—one bride's bouquet, two bridesmaids' bouquets, two table bouquets, 15-inch frame, one lover's knot, 20-inch frame, two gentlemen's *boutonieres*; and three prizes for amateurs only, pieces to be the same as the above, with the exception of the lover's knot and table bouquets. On this occasion the first prize of \$75 was awarded to J. H. Sievers; the second, \$50, to Carbone & Monti; the third, \$40, to Lean Brothers; the fourth, \$20, to C. M. Leopold; the fifth, \$15, to J. Pouyal; the sixth, \$10, to Floral Exchange.

The awards for the fifth floral day were to be for set pieces of original design. The exhibits were very beautiful, displaying ingenuity and inventive genius, and attracting much attention. The first prize of \$75 was awarded to J. H. Sievers; second prize, \$50, to Lean Brothers; third prize, \$40, to Floral Exchange; fourth prize, \$20, to J. Pouyal.

The second, fourth and sixth days were a repetition of the days preceding them, the flowers being freshened or renewed to keep the display in proper condition.

The jurors selected to decide the merit of the various floral exhibits were Mrs. W. A. Dutton, John McLaren and Mrs. W. R. Eckart, who performed their difficult and trying duties in a most satisfactory manner. The thanks of the Board are due them for the time and interest taken on the several days given to examination.

CLASSIFIED LIST

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Premiums Awarded.



GOLD MEDALS.

Class.	Exhibitor.	Article.
1	Union Iron Works	Compound Vertical Engine, Propeller-blade, Shaft-bearings, Link Motion, etc., for U. S. Warships.
2	Dow Steam Pump Works	Best General Display of Steam Pumps
11	Baker & Hamilton	Best General Display of Agricultural Implements
18	John Mallon	Best Art, Stained, Ground, Cut and Embossed Glass.
18	Sanborn, Vail & Co	Best General Display of Picture Frames, Mirrors and Art Work.
20	O'Brien and Sons	Best Display of Carriages—Pacific Coast Manufacture.
21	W. & J. Sloane & Co	Best Display of Furniture, Carpets and Draperies.
24	J. O'Kane	Best Display of Harness, Saddlery and Horse-clothing.
29	John M. Klein	Best General Display of Electrical Apparatus
34	Singer Manufacturing Company	Grand Display of Art Needlework
35	Alice B. Chittenden	Best Display of Oil Paintings, by a Local Artist
37	R. Schmid	Marble Bust (Dr. Ferrer) and fine display of Modeling
39	Thos. C. Marceau	Best General Display of Photographs
40	Standard Soap Company	Best Display of Soaps, Candles and Glycerine
40	Taylor, Nason & Co	Best Display of Leads, Paints, Varnishes and Oils
41	American Biscuit Company	Best General Display of Crackers and Biscuits.
42	C. A. Wetmore Company	Finest General Display of California Wines
43	California Bottling Company	Best Display of Draught and Export Lager Beer.

GRAND SILVER MEDALS.

Class.	Exhibitor.	Article.
5	Palmer & Rey.....	Display of Printing and Book-binding Machinery
5	Singer Manufacturing Company.....	Best Sewing Machines for Family and Manufacturing Purposes.
13	Newark Stove Company.....	Best Display of Stoves and Ranges, California Manufacture.
13	John F. Myers & Co.....	Fine Display of Lamps, Stoves, Ranges and General Household Utensils.
14	Osborne & Alexander.....	Best General Display of Hardware
17	Gladding, McBean & Co.	Large and fine Exhibit of Terra Cotta Architectural Work.
17	Inyo Marble Company.....	Fine Display of California Marble
18	R. P. Hurlbut.....	Interior Decorative Woodwork and Veneering
20	O'Brien & Sons... ..	Electric Street Railway Car
20	Betts' Spring Company.....	Best Car and Carriage Springs
23	David Woerner.....	Best Display of Cooperage
25	S. F. Chronicle.....	Best Display of Roll Printing Paper, Pacific Coast Manufacture.
29	Thompson-Houston Company...	Best Arc-lamps on Incandescent Circuit
39	S. C. Partridge.....	Best Photographic Apparatus and Stereopticon Views.
41	W. S. Townsend.....	Best Display of Glacé Fruits, California Manufacture.
41	Central Milling Company.....	Best Display of Flour (Drifted Snow).
45	E. F. Lorquin.....	Large and Fine Collection of Specimens of Natural History.

SILVER MEDALS.

1	Adam Schilling & Son.....	Gas Engine
1	Joshua Hendy Machine Works.....	Steam Engine, in operation
2	Pelton Water-wheel Company.....	Water-wheels, Motors and Governors
2	Risdon Iron Works.....	Marsh Steam Pump
3	C. F. Marwedel.....	Machinists', Engineers', and Molders' Tools
3	J. L. Hicks.....	Iron Turning Lathes
3	J. L. Hicks.....	Iron Drill Press
3	California Bellows Manufacturing Company.....	Blacksmith and Hand Bellows.
4	Vulcan Iron Works.....	Saw-mill Head Blocks and Set Works
4	Vulcan Iron Works.....	Ice-making Machine and Refrigerator
4	Tatum & Bowen.....	Sawmill Head Blocks and Set Works
5	Pacific Roll Paper Company.....	Paper Cutters and Paper

Class.	Exhibitor.	Article.
5	The San Francisco Chronicle	Stereotype Plates
5	E. C. Moulton	Improved Pea-sheller
5	S. F. Plating Works	Amalgamating Plate for Miners' Use
5	J. K. Firth & Co	Ice-making Plant in Operation
5	Leo Alexander & Co	Smith Premier Typewriter
5	Pacific Manufacturing Company	Cyclone Windmills
5	Pacific Coast Fencing Company	Wire Fence Machine and Fencing
6	F. A. Huntington	Centrifugal Roller Quartz Mill
6	F. A. Huntington	Best Ore Crusher
8	A. Martinez & Co	Iron Fire Escape (Martinez System)
11	Deere Implement Company	Best Potato Digger
11	Palmer & Rey	Best Olive Oil Press
11	R. J. Knapp	Best Side-hill Plow
11	Phil. S. Baker	Paper Model of 15-Horse Power Traction Engine
11	Geo. Harvey	California Stump-puller
12	Folding Iron Gate and Guard Company	Folding Gate
13	C. Brown & Son	Best Display of Tinware, Pacific Coast Manufacture
13	W. S. Ray & Co	Best General Display of Imported Stoves and Ranges.
13	Taylor, Adams & Pritchard	Best Display of Steel Ranges
13	Taylor Goodrich	Best Hot-water and Hot-air Heater for Buildings
13	Sherman S. Jewett & Co	Best Gas Cooking Apparatus
13	Eureka Ventilating Company	Abrahamson's Ventilators
14	C. Brown & Son	Best General Display of Cutlery
14	R. Liddle & Co	Best Firearm, Pacific Coast Manufacture
14	Pacific Butchers' Supply Company	Supplies for Butcher-shop
14	Geo. W. Shreve	Display of Firearms and Sportsmen's Goods
14	Magney Sash Balance Company	Spring Sash Balance
17	Elliott & Farrell	Hand-cut and Set Art Brickwork
17	J. Browell	Best Terra Cotta Chimneys and Chimney Tops
18	Cogswell Polytechnic College	Exhibit of Stair Building
19	Prof. S. Adelstein	Best Display of Stringed Instruments
19	Herman Müller	Best Stringed Instruments, California Manufacture
19	Leo Zander	Music-boxes and Musical Novelties
20	Studebaker Bros. Manufacturing Company	Best General Display of Imported Carriages.
20	Overman Wheel Company	Best Display of Bicycles
20	Pacific Coast Manufacturing Company	Display of Carts
21	Pacific Spring and Mattress Company	Best Sofa Bed
21	Heywood Bros & Co	Best Reed and Rattan Furniture
21	Burr Folding Bed Company ..	Marks' Reclining Chair and Ross' Table Washstand.
23	Buchanan Bros	Best General Display of Brushes
23	Armes & Dallam	Best Display of Woodenware

Class.	Exhibitor.	Article.
24	J. C. Johnson & Co	Best Carriage Harness
28	Mme. A. Gordon Fletcher	Best Ladies' Dress Suits (Style and Finish)
28	Mme. A. Hamelin	Best Ladies' Corsets
29	Thompson-Houston Company	Best Electric Motor for Street Railway
29	Thompson-Houston Company	Best Incandescent Lamp
29	Thompson-Houston Company	Best Current Meter
29	Electrical Supply Company	Best Primary and Secondary Batteries
29	Electrical Supply Company	Best Physicians' Cabinet Battery
29	California Electrical Works	Best Submarine Cable
29	Electric Engineering Company	Best Electric Motor for general use
33	Benj. Rotholtz	Best General Display of Stationery
34	Otto Moesch	Best Display of Imported Silk, Woolen and Cotton Goods.
34	Alma E. Keith	Best Display of Millinery
34	Miss L. A. Frazer	Best Hand-made Lacework
35	R. D. Yelland	Second-best Display of Oil Paintings, by local artist
35	Col. Jas. Fairman, M. A	Oil Painting of Niagara Falls
35	Geo. H. Burgess	Best Display of Water Color Paintings
37	Cogswell Polytechnic College	Display of Wood Carving and Clay Modeling.
36	Mrs. F. A. Fish	Best Collection of Ceramic Art
38	T. R. Southern	Best General Display of Penmanship
38	Cogswell Polytechnic College	Exhibit of Mechanical Drawing and Designing.
38	Mechanics' Institute Evening Classes	Best General Display of Drawings.
39	Jacob Fowzer	Display of Photographic Art
40	Coronado Water Company	Excellent Display of Natural Mineral Water
40	American Lucol Company	Fine Display of Lucol Oil
40	Bartlett Springs Mineral Water Company	Fine Display of Natural Mineral Water.
40	Eagle Manufacturing Company	Best Writing Fluid and Mucilage
40	Coburn, Tevis & Co	Best Axle Grease, C & S
40	Mount Shasta Mineral Spring Company	Best Display of Natural Mineral Water, Ginger Ale, Sarsaparilla and Iron.
40	J. Horstmann	Lavarine
41	J. Wolff Mercantile Company	Fine Display of Pickles, Cocoa and Catsup.
41	Geo. C. Thompson	Best Soda Water
44	Tillman & Bendel	Fine Display of Boltz, Clymer & Co's Cigars
44	Lorillard & Co	Fine Display of Grizzly Cut Plug Tobacco
44	Horn & Co	Best General Display of Cigars
45	J. A. Munz	Fine Display of Animals' Horns
45	C. R. Allen	Best Display of Coal (New Wellington)

Class.	Exhibitor.	Article.
46	Marguerite Fruit Farm.....	Best Preserved Fruit
46	Marguerite Fruit Farm.....	Best Jellies and Jams
46	Hermann & Co.....	Best Display of Hops
46	Thos. Denigan, Son & Co.....	Best Display of Wool

GRAND BRONZE MEDALS.

1	American Balance Slide-valve Company....	American Balance Slide-valve and Piston.
1	Geo. W. Topping.....	Working Model of Locomotive
1	Tatum & Bowen.....	Gas Engine
6	G. E. Woodbury.....	Woodbury Ore Concentrator
8	Pacific Equipment Company	Worcester Chemical Compartment Fire Pail.
8	W. T. Y. Schenck.....	Best Swinging Hose Reel
8	W. T. Y. Schenck	Improved Hydrant
14	R. Liddle.....	Best Assortment of Firearms
15	Pierce & Co.....	Cash Register and Computing Scale
16	A. S. Graff..	Best Coal Oil Lamps, California Manufacture
19	Geo. F. Wells....	Best Display of Pianos
19	Kohler & Chase.....	Best Display of Musical Instruments and Merchandise.
33	Brunt & Co.....	Best Specimen of Book Printing

BRONZE MEDALS.

1	M. A. Graham.....	Gas Engine
1	C. B. Johnson.....	Magnesia Sectional Covering for Steam Pipes, etc.
2	M. A. Graham	Richmond Rotary Pump
2	Risdon Iron Works.....	Davidson Steam Pump
4	Vulcan Iron Works.....	Gang Edger
4	Tatum & Bowen	Gang Edger
5	Samuel Hill Company	Edison Mimograph
5	M. E. Willis.	Safety Fare-box and Change-gate
5	S. Davis.....	Odell Typewriter
6	Pelton Water-wheel Company	Rock and Ore Crusher
6	F. A. Huntington.....	Best Ore Feeder
6	F. A. Huntington.....	Best Dumping Ore Cart
9	Inosuke Harukuchi	Miniature Warship
9	Jim Keane.....	Sailing Canoe
9	Pete Rosovich..	Miniature Ship
10	J. H. Squires.....	Embroidery and Tufting Machine

Class.	Exhibitor.	Article.
11	Deere Implement Company.....	Zigzag Cultivator
12	Thos. Galvin.....	Best Horseshoe, California Manufacture
12	A. Martinez & Co.....	Best Ornamental Iron Work
13	W. S. Ray & Co.....	Best Parlor Stove
13	J. De La Montanya.....	Best Planished Ware, California Manufacture
13	Taylor, Adams & Pritchard.....	Best Hot Water Attachment for Stoves and Ranges.
13	Taylor Goodrich.....	Best Adjustable Stove Grate (Attached)
13	John F. Myers & Co.....	Best Stove for Household Use with Gas Attachment.
13	John F. Myers & Co.....	Best Coal Oil Cooking Apparatus
16	Fred. Jantzen.....	Best Display of Lamps
17	W. D. Perrine.....	Roofing Slate (El Dorado Co)
18	G. F. Atkinson.....	Turned Articles of California Redwood
18	T. C. Butterworth.....	Display of Mosaic Art Glass
19	A. Graff.....	Regulator for Tension of Piano Sound-boards
20	A. Meister.....	Best Village Cart
21	Pacific Spring and Mattress Company.....	Best Woven-wire Mattress
21	Burr Folding Bed Company.....	Best Folding Bed
23	Buchanan Bros.....	Best General Display of Feather Dusters
25	J. C. Johnson & Co.....	Best Carriage Robes
27	C. P. Heininger.....	Best Display of Walking Canes
28	W. S. Close & Son.....	System of Dress Cutting
29	Electrical Supply Company.....	Universal Galvanometer for general use
29	Electrical Supply Company.....	Best Galvanometer
29	Electrical Supply Company.....	Best General Display of Electrical Apparatus, California Manufacture.
29	California Electrical Works.....	Best Cut Out
29	California Electrical Works.....	Best Fitting for Lamps
29	California Electrical Works.....	Best Switches
29	California Electrical Works.....	Best Volt Meter
29	California Electrical Works.....	Best Electric Bells
29	Electrical Storage and Supply Company.....	Best Fire Alarm, (Gamewell.)
34	Mrs. E. Vestey.....	Best Preserved Natural Flowers
34	Gussie Berger.....	Kensington Painting
36	Mrs. F. A. Fish.....	Best Single Specimen of Painting on Pottery
36	Mrs. F. A. Fish.....	Best Painting on Glass
36	Mrs. F. A. Fish.....	Best Painting on Wood
36	Mrs. Maude Nourse.....	Best Specimen Painting on Porcelain
36	Miss Amelia Ochs.....	Best Painting on Velvet
37	L. U. Hoffmann.....	Best Display of Wood Carving
39	Lainer & Co.....	Photographs
39	J. F. Stateler.....	Landscape Photography
41	Beck & Sons.....	Best Display of Baking Powder, Price's

DIPLOMAS.

Class.	Exhibitor.	Article.
1	Mailer & Co.....	Furnace Door-liners and Grate-bars
1	W. H. Stamer.....	Water Gauge
1	Albert Meyer.....	Working Model of Reversible Eccentric
1	A. E. B. Martin.....	Steam Boiler Purger
2	J. W. Pack.....	Water Motor
2	Risdon Iron Works.....	Murray Steam Pump
3	J. L. Hicks.....	Iron Planer
4	Tatum & Bowen.....	62-inch Circular Saw
5	Enoch Pond.....	Pomeroy Automatic and Duplex Duplicator
5	Daily Evening Post.....	Stereotype Plates
5	Sherman & Davis.....	Merchants' Roll Paper Printer and Cutter
5	H. C. Hodges.....	Windmill
5	Aermotor Company.....	Windwheel
5	W. W. Anderson.....	Model Automatic Door for Elevator Shafts and Safety Device for Elevators.
5	Wm. Lichtenberg.....	Ramie Cleaning Machine
5	E. Moening & Co.....	Working Model of Elevator
5	Aug. Schillmoller.....	Squeak Eradicator
5	S. Di Vecchio.....	Refrigerator
6	L. Radovich.....	Hand-power Rock Crusher
7	T. T. Heald.....	Self-heating Washing Machine
7	Dwight & Jepson.....	Perfection Clothes-washer
7	S. B. Paige.....	IXL Clothes-washer
7	S. B. Paige.....	Byron Dish-washer
8	Kellogg & Hall.....	Hose Bands
8	Quick Coupling Company.....	Hose Couplings
8	R. H. Moore.....	Acme Hose Reels
8	Stewart Lunny.....	Patent Hose Couplings
9	Jacob Neilson.....	Miniature Ship and House
9	Cecil Nixon.....	Miniature Ship
10	Mrs. Wm. Hudson.....	Home Hand Embroidery Machine
11	Deere Implement Company.....	Best Grape Stemmer
11	Deere Implement Company.....	Best Lawn Mower
11	George L. Wenzel.....	Best Apple Crusher
11	Palmer & Rey.....	Best Wine Press
11	Palmer & Rey.....	Best Seeding Press
11	W. H. Worth.....	Working Model of Wine Press
12	Geo. W. Gibbs & Co.....	Sample of Wrought-iron Pipe-joints
13	S. F. Gaslight Company.....	Best Gas Heating Stove
13	Progress Gas Stove Company.....	Gas Stoves
13	S. S. Jewett & Co.....	Best Vapor Stove
13	Thos. Barnett.....	Broiler and Toaster

Class.	Exhibitor.	Article.
13	J. C. Maynard.....	Tennessee Baking Pan
13	Rathjen Bros.....	Ideal Coffee Pot
14	Kellog & Hall	Shotgun Cartridges and Shells
16	W. D. Scott.....	Air Vents for Kegs and Barrels
16	Mrs. M. Ketchum	Repoussé Work, in Brass
16	Ph. Meyer.....	Display of Welsbach Incandescent Gas Lights and Lundgren & Gordon Gas Lamps.
17	E. A. Hubbard.....	Display of Cut Glass
18	C. H. Burr	Weather Strips
19	Mrs. L. Staples	Harmony Instructor
20	Baker & Hamilton	Best Spring Wagon
20	Heywood Bros. & Co	Best Child's Wagon
20	Locke & Rafferty.....	Buggy in White
20	Charles Herold.....	Four-horse Box Wagon
20	Mersereau & Clarke.....	Display of Carts
21	Pacific Spring and Mattress Company.....	Best Hair Mattress
21	Mrs. C. Delaney	Oriental Shelter Hammock
21	R. L. Ingram.....	Adjustable Shade Holder for Windows
23	W. B. Wadman.....	Miniature Butter Refrigerator
23	Jack Frost Freezer Company.....	Jack Frost Freezers
23	California Broom Factory	Display of Brooms
24	Tatum & Bowen.....	Shultz Leather Belting
24	French & Linforth.....	Gandy Belting
25	Sanford Mills, Sanford, Me.....	Mohair Plushes
25	L. C. McAfee.....	Best Exhibit of Ramie Cloth, Twine Rope and Towelling.
25	California Cotton Mills.....	Ramie Cloth Rope Twine, etc
28	Cluff Garment Fastener Company.....	Cluff's Patent Garment Fastener
28	Metz & Co	Display of Kid Gloves
32	C. P. Heininger.....	Shell Jewelry
33	Dewey & Co	Photo Fac-simile Engraving and Zinc Etchings
34	Mrs. E. Vestry.....	Best Skeleton Leaves
34	Mrs. E. Vestry.....	Best Display of Sea Mosses
34	Miss A. E. Melton.....	Best Specimen of Hand Needlework
34	Mrs. D. C. Fox.....	Best Picture in Needlework, "Count Censius' Appeal to Gregory VII."
34	J. H. Squires.....	Best Embroidery of Worsted Work, done in the Pavilion.
34	Mrs. E. Harbitz.....	Best Specimen of Worsted Work
34	Mrs. A. M. Vetterli.....	Best Knitted Bed Quilt
34	Mrs. G. B. Smith.....	Best Pillow Shams
34	Mrs. Anna Gussler.....	Best Specimen Crochet Work
34	Mrs. M. Muller	Best Crochet Skirt
34	Z. Grasselly & Co.....	Best Embroidery

Class.	Exhibitor.	Article.
34	Miss Eva Rundel.....	Fancy Work, done at Society Islands
34	Mrs. F. T. Duhring.....	Best Crazy Quilt
34	Miss Jessie Millar.....	Collection of Fancy Work and Painting
35	Gulla M. Scanlin.....	Collection of Paintings
37	Mrs. A. Caldwell.....	Carved Easel
37	Miss Kühne Beveridge.....	Bust of Adolph Sutro
38	Miss McCormack.....	Best Original Pencil Drawing
38	F. Mekura.....	Best Original Crayon Drawing
38	T. R. Southern.....	Best Original Pen Drawing
38	T. R. Southern.....	Best Specimens of Penmanship
38	B. McDougal & Sons.....	Best Architectural Drawings
38	Cogswell Polytechnic College.....	Display of Work of Students in Wood, Iron and Clay, and Mechanical and Free-hand Drawing
38	Ernest Emerich.....	Illuminated Pen Work
40	M. Mohr.....	Fluid Polish for Metal
40	Callustro Company.....	Callustro Products
40	Eagle Manufacturing Company.....	Best Shoe Dressing
40	Magner Bros.....	House and Floor Paints made by Heath & Milligan, Chicago, Ill.
40	Beck & Sons.....	Best Display of Starch, "Duryea's"
40	Beck & Sons.....	Best Display of Flavoring Extracts, "Price's"
41	E. T. Cowdry Company.....	Best Deviled Ham
41	Cudahy Packing Company.....	Best Display of Canned and Preserved Meats.
41	C. B. Jennings.....	Best Display of Maple Syrup, "Toboggan Brand"
41	T. A. Snider Preserve Company.....	Fine Display of Snider's Soups and Catsup.
41	Tillman & Bendel.....	Fine Display of Huckins' Sandwich Meats, etc.
41	W. A. Pettijohn.....	Flour of Life
41	Rathjen Bros.....	Ideal Coffee
42	Coburn, Tevis & Co.....	Display of Sweet Cider, "Mott's"
42	S. Martinelli & Co.....	Display of California Cider
45	Coburn, Tevis & Co.....	Best Display of Refined Borax
45	L. Radovich.....	Reindeer Head, from Yukon River, Alaska
46	F. Sanders.....	Display of Jellies, Jams and Mincemeat
46	Marguerite Fruit Farm.....	Best Display of Dried Fruits
46	C. P. Bailey.....	Best Mohair
46	Schact, Lempke & Steiner.....	Best Display of California Honey

CASH AWARDS.

Class.

35	Alice B. Chittenden, Best and Largest Display of Oil Paintings..	\$80 00
35	R. D. Yelland, Oil Paintings.....	60 00
35	Eugene Tannier, Oil Paintings.....	50 00
35	Cecil Romer, Oil Paintings.....	40 00
35	M. J. Nunan, Oil Paintings.....	35 00
35	S. Newman, Oil Paintings	30 00
35	G. Papperitz, Best Genre Painting, (In Oil).....	30 00
35	R. D. Yelland, Best Landscape Painting (In Oil).....	30 00
35	J. H. E. Partington, Best Portrait (In Oil).....	25 00
35	J. D. Larpenteur, Oil Paintings.....	25 00
35	Emma Quirk, Oil Paintings.....	20 00
35	H. Alexander, Oil Paintings	15 00
35	Mrs. H. F. Bulson, Oil Painting	10 00
35	Geo. H. Burgess, Best and Largest Display of Water Color Paintings.....	40 00
35	H. R. Hopps, Best Genre Painting (Water Color).....	20 00
35	Geo. H. Burgess, Best Landscape (Water Color).....	20 00
35	Geo. H. Burgess, Best Portrait (Water Color).....	15 00
35	Mrs. D. W. Gelwicks, Best Still Life Painting (Water Color)....	15 00
46	Marguerite Fruit Farm, Best Dried Fruit.....	25 00
46	Marguerite Fruit Farm, Best Preserved Fruit.....	5 00
46	Marguerite Fruit Farm, Best Jellies and Jams	5 00
46	Hermann & Co., Display of Hops	25 00
46	Thos. Denigan & Son & Co., Display of Wool.....	5 00
46	C. P. Bailey, Display of Mohair	10 00
46	Schacht, Lempke & Steiner, Display of Honey....	10 00
46	W. H. Murry, Exhibit of Ramie Culture and Manufacture.....	80 00
46	E. F. Lorquin, Collection of Natural History.....	75 00

Floral Exhibit.

J. H. Sievers	\$225 00
J. Pouyal.....	85 00
Lean Bros	90 00
Floral Exchange.....	50 00
Carbone & Monti	50 00
C. M. Leopold.....	60 00

REPORTS
FROM
STANDING COMMITTEES AND SUPERINTENDENT
OF THE
Twenty-Sixth Industrial Exposition.

BUILDING.

To the President and Board of Trustees of the Mechanics' Institute.

GENTLEMEN:—Your Committee on Building would respectfully report as follows:

A considerable amount of money has been expended on the Exposition Building for general repairs and for preparation for the Exhibition. The most important work has been the overhauling of the entire roof, on which 80,000 shingles have been used, and portions of the gutters have been tinned, repaired and painted. We consider the roof good for five more years if the gutters and other tin work are given an occasional coat of paint.

It was found necessary to exercise great vigilance to prevent exhibitors, while erecting their booths, from injuring the hardwood floor. Your Committee therefore made certain rules and instructed our foreman carpenter to see that they were adhered to. In most cases they were readily complied with, so that when the Exposition closed the floor was in good condition.

At considerable expense we built on the main floor two large platforms, having one floor covered with tin and a top floor of plank for the reception of our large flower and plant exhibit. We also constructed a room in the west gallery 24x50 feet, where free stereopticon exhibitions were given.

We made the usual tables on main floor and gallery and the railing in the Art Gallery.

There were also considerable general repairs done to the building.

The various items of expense will be found under the proper heading in this report.

Respectfully submitted,

ANDREW WILKIE,
ROBERT EWING,
J. K. FIRTH,

Committee.

PRINTING AND ADVERTISING.

To the President and Members of the Board of Trustees of the Mechanics' Institute.

GENTLEMEN:—Your Committee on Printing and Advertising would respectfully report that we, upon approval of the Board, adopted the course usually pursued at former Fairs, by advertising in the City papers; both daily and weekly, which, as a general thing, made the charges much below the usual rate, and in all cases gave us complimentary and extended notices, which we recognize as an important factor in making the Fair the success it has been.

There is a slight increase this year in the cost over last year's expense, owing principally to the fact that we advertised the sale of Privileges three times, once being caused by parties failing to accept the contract when awarded, and, in one instance, of a daily paper increasing their charges three times the amount of former years.

There is a difference of opinion as to the amount of advertising considered most judicious to the interests of the Institute; but we think the amount expended is small enough and the money paid for that purpose well invested.

We had some 5,000 handbills printed and distributed, principally from the Sutter Street, Market Street and Omnibus lines of street cars, the directors of which companies gave us every facility free of charge.

A large number of circulars were also printed and distributed, calling attention to the Floral Days and the premiums offered.

A large portion of the cost of printing was the bill for posters, of which the lithograph of Jessie Millar, the young cornetist, was the principal item.

The usual and necessary number of double, single, employes' and children's season tickets, single admission and complimentary tickets, were also printed and issued to the proper committee.

The Preliminary Announcement, Rules and Premium List, and Catalogue of the Art Gallery are necessary matter at each Fair, and cannot be dispensed with.

The Report of the Exposition is also an important matter, as in no other way can the record be placed in the hands of exhibitors of the present Fair, or kept for future reference. We, however, think the number heretofore printed to be greater than required, and believe an edition of 600 sufficient for this year's distribution. We have given orders for that number to be printed, and trust the Board will approve our action. The report is in the hands of the printer and will soon be ready for distribution.

A complete and detailed list of our expenditures, with names, will be found in the Financial Report of the Exposition.

Our thanks are due to the Press for its interest and favorable notices, and also to the members of the Board for their advice and assistance during the Fair.

Respectfully submitted,

FRANK DALTON,

OSCAR LEWIS,

GEO. H. HOPPS,

Committee.

POWER AND MACHINERY.

To the President and Board of Trustees, Mechanics' Institute.

GENTLEMEN:—Your Committee on Power and Machinery beg leave to report that, upon a careful examination of the Motive Power and Machinery Department previous to the opening of the Fair, it was found necessary to construct a new main exhaust steam-pipe to run the entire length of the Machinery Hall. It was also deemed advisable to increase the height of the smoke-stack twenty feet, as high buildings were under construction near the Pavilion, which would naturally interfere with the draft of the boilers. This work was performed in a satisfactory manner by the successful bidders. The engine, boilers, and other machinery in our department have been examined since the close of the Fair and found to be in good condition.

Electric lights were run by the California Electric Light Company, as follows: Front of building, 4; Garden, 4; Machinery Hall, 13; making a total of 21 lights, at a cost of \$497.70.

The annex was lighted with gas by Philip Meyer, who made a very creditable exhibition of the Lungren Lamps and the Wellsback Burners; and in consideration of the fact that the annex was the best lighted portion of the Exhibition Building where gas was used, and at the least cost, we think some recognition should be given Mr. Meyer, and would recommend that a diploma be awarded to him for his excellent display in lighting the annex.

The Gas Inspector makes the following report:

“SAN FRANCISCO, Sept. 30, 1891.

“*To the Power and Machinery Committee, Twenty-sixth Industrial Exhibition, Mechanics' Pavilion.*

“GENTLEMEN:—I have to report the amount of work done and gas consumed during the Twenty-sixth Industrial Exhibition, as follows:

“As compared with former years, considerably more work was done this year; the pipe and fixtures having been put in the best possible condition in the limited time allowed for the same.

“The number of burners this year was greater than during any previous year, there being 2,497 four-foot burners in main building; 41 single gas stoves, 6 gas engines, 65 four-foot burners running three hours every afternoon at exhibits of Lainer and Marceau.

“This is the first year that the annex has been lighted exclusively by gas, there having been sixteen No. 4 and No. 2 Lungren Lamps and twenty-nine Wellsback burners, producing a very satisfactory light at a cost of \$1.98 per night; average consumption of gas in the annex 1,100 cubic feet per night.

“The work done for exhibitors was in excess of any year in this building, and, with charges, amounts to \$332.

“The average amount of gas consumed per night by the watch lights was 3,100 cubic feet. Average amount burned during the day, at exhibits of

Lainer and Marceau, by gas stoves, gas engines, not including regular lighting hours, was 4,200 cubic feet per day.

“Total average of gas consumed, including gas consumed before opening and after closing of Fair, was 34,647^{1.7} cubic feet per night. Average per day, actual days of Fair 34,017^{3.36} cubic feet.

“The cost of light, gas stoves and gas engines during lighting hours was 26,717^{1.7} @ \$1.80, or \$48.10 per night.

“After the Fair, the Lungren Lamps and Wellsback Burners in the annex were removed by the exhibitor, Mr. P. Meyer, and plain burners and reflectors substituted where directed by the Board. All extra piping, etc., run otherwise than for the general use of the building, has been removed and placed in the cellar, and the key turned over to the Janitor.

“ Respectfully

“ S. N. GRUBB, Inspector.”

An itemized account of the operating expenses of this department will be found in the Financial Report of the Exhibition.

Respectfully submitted,

GEO. E. DOW,

J. K. FIRTH,

S. J. HENDY.

Committee.

RULES AND AWARDS.

To the President and Members of the Board of Trustees of the Mechanics' Institute.

GENTLEMEN:—Your Committee on Rules and Awards herewith submit a final report on matters connected with the Twenty-sixth Industrial Exposition.

At an early date it was decided to offer for meritorious exhibits the usual number of premiums, including medals of Gold, Silver and Bronze, Diplomas and Cash.

A Premium List embodying the same was printed and a large number distributed in this city and sent in the country.

As a rule we have found its provisions satisfactory, and, as a general thing, exhibitors have been satisfied and pleased with the awards given.

The number of medals and diplomas offered was 853, exclusive of the cash premiums, which, in the aggregate amounted to \$2,170. In addition, at a later day, \$600 was offered to competitors for Floral Exhibits on the days set apart for the displays during the two last weeks of the Fair.

The number of premiums actually awarded this year are:

Gold Medals.....	18
Grand Silver Medals.....	20
Silver Medals.....	92
Grand Bronze Medals....	14
Bronze Medals.. .	60
Diplomas....	125

The cash awards were:

In the Art Department.....	\$ 560 00
For Natural Products.....	250 00
Floral Days.....	560 00

Making a total of....\$1,370 00

An itemized account of the cost of the Medals, Diplomas and other matters will be found in the Financial Report.

The cash awards are being paid and the other premiums distributed, and the Report of the Exhibition is in the hands of the printer.

While the jurors on the various classes conscientiously performed their onerous duties, as heretofore, it was inevitable that some errors and omissions would occur which this Committee have endeavored to rectify as far as possible by recommending to the Board such additions and changes as they deemed proper and just, after due consideration. Rule XVII. of the Regulations, giving the Board and Committee the necessary power in such matters, we find to have been a wise provision, and recommend its continuance.

We think it useless to recommend for the next Fair any course of action regarding Rules and Awards, as circumstances will undoubtedly be the best guide to govern the action of the management.

Thanking the members for their kind aid and assistance so often rendered,

We remain, very respectfully,

A. W. SCOTT,

S. J. HENDY,

M. A. DORN,

Committee.

TICKETS AND ADMISSIONS.

To the President and Board of Directors of the Mechanics' Institute.

GENTLEMEN—In fulfillment of our duty as your Committee appointed to have charge of Tickets and Admissions during the late Industrial Exposition, we submit the following:

There were delivered by the Committee on Printing to this Committee, and by it to the Treasurer, the following designated tickets, viz:

5,000 Double Season Tickets for the general public.

2,500 Double Season Tickets for Members of the Institute.

1,200 Single Season Tickets for the general public.

300 Single Season Tickets for Members of the Institute.

600 Children's Season Tickets.

600 Employes' Tickets.

8,001 Single Admission Tickets.

3,001 Children's Single Admission Tickets.

There were also delivered to the President a number of Complimentary Tickets, which were presented by him in the name of the Institute to its ex-officers and such other friends as were entitled to favors on account of past services.

This Committee also distributed to the gentlemen connected with the Press of this city and State, and also to employes of the Institute, a number of double and single season tickets, the name of each person to whom the same were presented being duly recorded in a book opened for that purpose and which is kept by the Secretary for future reference.

Your Committee has met with the Treasurer and duly counted the Tickets and found everything to be correct, and we will refer you for an account of sales of tickets to his Report.

It affords us great pleasure to state that the Identification Key used during the late Exposition for the detection of such persons as might attempt to pass the door-keepers upon tickets on which they were not rightfully entitled to enter, worked to our entire satisfaction, a great number of tickets being taken up from people detected in trying to pass the door-keepers on tickets which belonged to other parties.

We tender our thanks to the Members of the Board who kindly volunteered assistance at the door and in counting tickets. We also thank the door-keepers and police officers for their promptness and courtesy to our patrons during the Fair.

Respectfully submitted,

S. J. HENDY,

IRWIN C. STUMP,

W. T. Y. SCHENCK,

Committee.

MUSIC, DECORATION AND ART.

To the President and Board of Directors of the Twenty-sixth Industrial Exhibition.

GENTLEMEN:—The Committee on Music, Decoration and Art of the Twenty-sixth Industrial Exhibition herewith submit their final report:

MUSIC.

Contract was made with Charles H. Casassa, leader of the First Regiment Band, for the providing of forty-four instruments and a leader, to furnish the music for the Exhibition. Your Committee deemed it but fair to express a great deal of satisfaction as the result of said contract. The forty-four instruments included as extra attractions a trombone quartette, which was greatly enjoyed by all patrons of our Fair, and a young Californian cornet soloist, Miss Jessie Millar, to whom much praise was given for her wonderful proficiency on that instrument. Connoisseurs of music and patrons of the Fair expressed themselves as greatly pleased with this band and the music rendered on the occasion.

DECORATION.

Your Committee has audited bills as follows:

Levi Strauss & Co., cloth material	\$ 197 75
George B. Jones for decorating material	125 00
Labor for sewing, etc	87 50
Total amount	<u>\$409 75</u>

ART DEPARTMENT.

Of this Department your Committee would say: Contract was made with Mr. J. D. Louderback to pay him \$350 for his services as Superintendent of the Art Department for the season, in which Mr. Louderback agreed to display in our Art Gallery the Hazeltine collection of pictures, which in the main was quite satisfactory to your Committee, and, we believe, to the patrons of the Fair quite generally. Your Committee audited the following bills:

Mr. J. D. Louderback, Superintendent of Art Gallery	\$ 350 00
Labor for moving, boxing, hanging and shipping pictures....	172 00
Cartage on pictures, by the City Transfer Company	127 10
Cartage on pictures, by Farnsworth & Ruggles	19 50
Insurance on pictures and frames	<u>1,211 00</u>
Total amount	<u>\$1,879 60</u>

In this matter of insurance we would say, this is something like \$1,000 in excess of any premiums paid heretofore on pictures, with perhaps one or two exceptions, which, as a matter of course, looks quite expensive when comparing the cost of our Art Exhibition with that of former years.

There has been paid also:

Cash premiums to the amount of.....	\$ 560 00
Cost of medals awarded.....	102 00

Making the premiums amount to.....	\$ 662 50
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Total expenditure of your Committee, \$10,951 85.

It will be observed that \$500 additional has been paid for music. Your Committee are of the opinion that this \$500 was well invested.

The cost of decorations compare favorably with that of former years.

As for recommendations for guidance in the future of similar committees, your Committee would say: we believe that forty-four instruments is as small a number as would please the patrons of a Fair when held in so large a building as the Mechanics' Pavilion. It requires a large volume of music to fill a building of this character.

We could scarcely recommend anything particular in the way of decorations, except to consult the reports of past committees.

As to the display of Art in our Art Gallery, a thorough and complete system should be inaugurated—rules and regulations governing and systematizing the whole Art Department. A system for receiving pictures at the Exhibition and a system for delivering them is very necessary to avoid any trouble that is quite liable to arise from many sources.

Mr. Louderback, referred to in our report, presented bills for a damaged picture and for a lost picture, both of which were ignored by your Committee. Many members of the Board are aware of the circumstances surrounding this matter.

Most respectfully submitted,

GEO. H. HOPPS,

A. W. STARBIRD,

Committee.

PRIVILEGES.

To the President and Board of Trustees of the Mechanics' Institute.

GENTLEMEN:—Your Committee to whom was referred all matters pertaining to the sale of Privileges, at the Twenty-sixth Industrial Exposition, beg leave to submit the following report of all transactions in their department.

The number of Privileges disposed of, and the names of the purchasers, with the different amounts received from same, are as follows:

Backus & Hoag, Newspaper.....	\$1,055 00
W. S. Townsend, Candy.....	926 00
Geo. C. Thompson, Soda Water.....	1,237 50
Solomon Isaac, Glass Blowing.....	500 00
Kate M. Breen, Moonstone Jewelry ..	75 00
Coburn, Tevis & Co., Perfumery.....	50 00
P. M. Clarkson, Pop Corn.....	551 00
W. H. Martin, Whips and Canes	45 00
J. Alexander, Optical Goods.....	50 00
Geo. C. Thompson, Lemonade	157 50
M. Moore, Cider.....	155 50
W. H. Martin, Restaurant	55 00
Mrs. Gordon De Force Cluff, Clothes Fastener.....	25 00
Russell Whitman, Aluminum Medals	20 00
C. F. Hughes, Spectacles and Eye Glasses.....	50 00
W. H. Martin, Ice Cream	776 00
Callustro Company, Soaps, etc.....	25 00
Wm. Mohr, Metal Polish	25 00
Pernam Bros. & Pitts, Fountain Pens, etc.....	25 00
Phonograph Company, Phonographs.....	10 00
Duffield & Jackson, Jack Frost Freezer....	25 00
Total.....	\$5,838 50

The number of employes' tickets issued to exhibitors was 375, of which 296 was paid for at \$1.50 each, and 79 issued without charge. Your Committee would recommend that the system of charging exhibitors \$1.50 each for employes' tickets be continued, as the Institute is a gainer thereby, and the difficulties of satisfying every one are not increased. And we think another year, when the exhibitors will have become more accustomed to the plan, there will be less trouble than heretofore. We would also recommend the continuance of the rule that all exhibitors must provide themselves with a Double Season Ticket, or the equivalent.

Respectfully submitted,

W. T. Y. SCHENCK,

A. W. SCOTT,

S. J. HENDY,

Committee.

LOCATION AND POLICE.

To the President and Trustees Mechanics' Institute.

GENTLEMEN:—The Committee, to whom was referred the locating of the different exhibits entered for the Twenty-sixth Exposition, have to report as follows:

The floor-plans were prepared at the earliest possible date and carefully figured in order to arrive at the best possible arrangement of the various exhibits, which were located by classes so far as circumstances would permit. The musical exhibits, however, were located at a distance from each other in order that the melody might be distributed instead of banking it close together and causing discord and confusion. This your Committee found to be an extremely difficult matter, as the various exhibitors of Pianos apparently imagined that the public judged of the merits and tone of their wares in accordance with the greatest amount of sound obtainable from them, each having from three to six instruments in full blast at the same time. The result is very unsatisfactory to both exhibitors and the public, and some rule should be laid down governing this matter, which would lead to much better results. One Piano exhibitor lined the rear and sides of his exhibit with sheet tin which resulted in greatly increasing the volume of sound to the annoyance of his neighbors, who loudly complained. It is our belief that such arrangements should be prohibited at future Expositions.

The balance of exhibits were located to the evident satisfaction of exhibitors in general and of this Committee. There were an ample number of applicants to fill all available space to the entire exclusion of such objectionable articles as quack-medicines, lotions, etc., which, although probably filling their proper place in the sphere of commerce, are entirely unnecessary to the proper conduct of a Mechanics' Exposition; and we would recommend that such articles be discouraged from exhibiting at any Fair or Exhibition held under the auspices of the Mechanics' Institute.

Although the watch was, in the main, manned by more able-bodied men than for several years back, it could yet be improved upon; for while the Mechanics' Institute wishes to render any assistance in its power to members out of work, it is decidedly an unbusiness-like proceeding to employ a person who is physically incapacitated, merely on account of his membership.

The Chief of Police was called upon for a detail of officers during the Exposition; and as it was impossible for him to send our old and trusted friend, Sergeant Harmon, he detailed Officer W. E. Donnellan, together with two others, to assist him, and they performed their duties in a very creditable and satisfactory manner. The thanks of the Board are due to Chief Crowley for his courtesy and to the officers for their efficient services.

Respectfully submitted,

OSCAR LEWIS,
FRANK DALTON,
ROBERT EWING.

Committee.

HORTICULTURE.

To the President and Members of the Board of Trustees.

GENTLEMEN:—Your Committee on Horticulture would report that the duty of this Committee, as set forth in the By-Laws of the Institute, has been faithfully carried out, so far as referred to us by the Board.

The most, in fact all, of the matter requiring our attention was by resolution referred to the President, who made the arrangements for the Plant Decoration of the Pavilion and the Floral display, leaving practically nothing for us to report upon.

Respectfully submitted,

M. A. DORN,

ANDREW WILKIE,

A. W. STARBIRD,

Committee.

SPECIAL EXHIBITS.

To the President and Board of Directors of the Twenty-sixth Industrial Exhibition.

GENTLEMEN:—Your Committee on Special Exhibits would respectfully report that the only matter referred to this Committee was the Fibre Exhibit made by Mr. W. H. Murry, who, by the recommendation of this Committee, was allowed \$80 in cash, to be known as a Cash Premium, for the exhibit.

Respectfully submitted,

A. W. STARBIRD,

FRANK DALTON,

GEO. H. HOPPS,

Committee.

SUPERINTENDENT'S REPORT.

To the President and Trustees of the Mechanics' Institute.

GENTLEMEN:—I herewith present my final Report of the Twenty-sixth Exposition:

My labors commenced on the 26th day of May, upon which date I began my canvass for exhibits. This duty was far from being an easy one as an immense amount of pedestrianism and inducement was necessary in order to obtain applications for space. This was attributable to various causes—the principal one being lack of sufficient time in which to prepare for a display.

I endeavored to make my canvass a systematic one and to cover, as thoroughly as possible, each and every individual class of exhibits included in the Premium List; and I called upon the principal firms representing the various great industries of the State and personally interviewed the proprietors or managers of each. In order to do this in a thoroughly systematic manner I made lists of each class from the latest City Directory, and devoted my attention to a particular class until it was completely worked up to prevent the possibility of overlooking any who might desire to make displays which would be creditable and desirable.

My efforts were not as successful as I could desire, the greatest drawbacks being an apparent lack of time before the opening of the Fair, and a disinclination upon the part of business men to incur the expense of an exhibit. This was especially noticeable in the line of manufactures and machinery; so much so that I felt compelled to request assistance in this branch from the members of the Machinery Committee, and I believe that they will coincide with me in the belief that the solicitation of such exhibits should be begun very early in the year in order that ample time may be given for intending exhibitors to prepare their plans and complete the arrangements for their respective displays.

Business in this city being in a state of semi-stagnation this Fall, the majority of those who would have been pleased to exhibit claimed that business affairs prevented them from doing so this year. However, from my interviews with various local manufacturers, foundrymen, producers and merchants, I feel assured that should the Mechanics' Institute adopt such measures as would interest them in the proposition, and offer such inducements in the way of premiums, etc., as would meet with their approval, it would be possible to make the next annual Exposition one such as has never been witnessed in the city or upon the Pacific Coast. The general belief seems to be that Californian products and manufactures properly represented and favored would fill our Pavilion with exhibits of the very highest order, and would be of great interest and value as showing the advantages, possibilities and resources of our great State.

At the suggestion of the President I prepared and distributed a large number of circulars throughout the entire State, addressing them to the various Agricultural, Horticultural and Viticultural Societies, newspapers, and

prominent grain and fruit growers, setting forth the fact that the Mechanics' Institute offered liberal premiums for meritorious exhibits in their line. A copy of the premium list for these classes was included in the circular. This department, however, was also poorly represented on account of the lateness of notification; and to properly bring out the full strength of this particular branch of our industries, I believe it to be necessary for a thorough and personal canvass to be made some months before the opening of the Exposition, in such manner as that made for the Twenty-third Exposition in 1888.

The number of applications for space actually on file was 394, and to accommodate them with such space as they requested would necessitate the addition to floor space of about 7,000 square feet. It, therefore, became necessary to cut down some and to select the most desirable of the number.

The pruning-hook was promptly applied to the nostrum contingent to the number of thirty-two applications asking for over 4,000 square feet. This space, with that which was relinquished by those who withdrew their applications for various reasons, gave room enough to comfortably and satisfactorily locate the remainder. The Pavilion, therefore, contained not one objectionable exhibit, and the fact was demonstrated beyond peradventure that a Mechanics' Exposition could be held without the aid of such exhibits as the extraction of tapeworms, eradication of cancers, and the exhibition of pictures showing the most grotesque and horrible diseases to which human flesh is heir.

From the annual reports of Exhibitions for some years back it appears to have been the desire of the Trustees to relegate such displays to their proper sphere—outside our doors; and, in conjunction with your Location Committee, I endeavored to carry out the Rule so often recommended, and was successful.

It was generally remarked that the exhibitors displayed unusual taste in the arrangement and decoration of their respective stands, and I experienced no difficulty in having the Rules and Regulations cheerfully complied with.

The employes were, in the main, satisfactory and their various duties were performed in a creditable manner.

To Officer W. E. Donnellan, who was detailed as Sergeant of Police at the Exposition, great credit is due for the able and efficient manner in which he performed his duties, as well as for his universal courtesy and solicitude for the good order and welfare of exhibitors and visitors.

In the matter of work done for exhibitors by employes of the Institute, such as gas-fitting, carpenter work, etc., I would recommend that a regular order blank be used, upon which they may designate such work as they wish done. This will obviate any subsequent complaint of error or overcharge.

The employment of able-bodied men as watchmen is apparently an imperative necessity owing to the nature of their duties, which require strong men to perform them.

The day-watch was under the immediate supervision of Sergeant James Todd, who performed his duties in a highly commendable manner; and when-

ever necessary for the Institute to have a man for such a position it could not procure a better.

Complaints from exhibitors were exceedingly few, and all seemed well pleased with location and patronage.

At the close of the Fair work was at once begun upon the removal of exhibits, and on the evening of Wednesday, September 31st, the main floor was entirely clear. The heavy machinery in the Machinery Department, of course, took more time for removal.

To the President, Secretary and members of the Board who so courteously extended their advice and assistance I desire to express my thanks.

I remain, gentlemen,

Very respectfully,

H. A. GRAVES,

Superintendent.

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